



Cura 374 CON seq list.txt
SEQUENCE LISTING

<110> Taupier, Raymond
Padigaru, Muralidhara
Rastelli, Luca
Spaderna, Steven
Shimkets, Richard
Zerhusen, Bryan
Spytek, Kimberly
Shenoy, Suresh
Li, Li
Gusev, Vladimir
Grosse, William
Alsobrook, John
Lepley, Denise
Burgess, Catherine
Gerlach, Valerie
Ellerman, Karen
MacDougall, John
Stone, David
Smithson, Glennda

<120> Novel Proteins and Nucleic Acids Encoding Same

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<151> 2001-07-03

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<151> 2000-07-28

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<151> 2000-08-08

<150> 60/223,762
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<151> 2000-08-14

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<150> 60/263,662

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<150> 60/281,645

<151> 2001-04-05

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<170> PatentIn Ver. 2.1

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<213> Homo sapiens

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Trp	Val	Arg	Gln	Val	Asp	His	Val	Ile	Glu	Arg	Ser	Thr	Asp	Gly	Ser
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Ser	Gly	Leu	Pro	Thr	Met	Glu	Val	Arg	Ile	Asn	Val	Ser	Arg	Gln	Gln
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Trp	Ser	Ser	Ser	Gly	Thr	Thr	Lys	Ser	Gln	Lys	Ala	Tyr	Ile	Arg	Ile

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Pro Pro Ala Glu Val Glu Trp Leu Arg Asn Glu Asp Leu Val Asp Pro				
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Ser Leu Asp Pro Asn Val Tyr Ile Thr Arg Glu His Ser Leu Val Val				
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Arg Gln Ala Arg Leu Ala Asp Thr Ala Asn Tyr Thr Cys Val Ala Lys				
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Asn Ile Val Ala Arg Arg Arg Ser Ala Ser Ala Ala Val Ile Val Tyr				
		225		230
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Ser Cys Gly Arg Gly Trp Gln Lys Arg Ser Arg Ser Cys Thr Asn Pro				
		260		265
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		275		280
Thr Ala Cys Ala Thr Leu Cys Pro Val Asp Gly Ser Trp Ser Pro Trp				
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Ser Lys Trp Ser Ala Cys Gly Leu Asp Cys Thr His Trp Arg Ser Arg				
		305		310
Glu Cys Ser Asp Pro Ala Pro Arg Asn Gly Gly Glu Glu Cys Gln Gly				
		325		330
Thr Asp Leu Asp Thr Arg Asn Cys Thr Ser Asp Leu Cys Val His Ser				
		340		345
Ala Ser Gly Pro Glu Asp Val Ala Leu Tyr Val Gly Leu Ile Ala Val				
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Ala Val Cys Leu Val Leu Leu Leu Leu Val Leu Ile Leu Val Tyr Cys				
		370		375
Arg Lys Lys Glu Gly Leu Asp Ser Asp Val Ala Asp Ser Ser Ile Leu				
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				400

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Thr Leu His His Ser Ser Pro Thr Ser Glu Ala Glu Glu Phe Val Ser	465	470	475	480
Arg Leu Ser Thr Gln Asn Tyr Phe Arg Ser Leu Pro Arg Gly Thr Ser	485	490		495
Asn Met Thr Tyr Gly Thr Phe Asn Phe Leu Gly Gly Arg Leu Met Ile	500	505		510
Pro Asn Thr Gly Ile Ser Leu Leu Ile Pro Pro Asp Ala Ile Pro Arg	515	520	525	
Gly Lys Ile Tyr Glu Ile Tyr Leu Thr Leu His Lys Pro Glu Asp Val	530	535	540	
Arg Leu Pro Leu Ala Gly Cys Gln Thr Leu Leu Ser Pro Ile Val Ser	545	550	555	560
Cys Gly Pro Pro Gly Val Leu Leu Thr Arg Pro Val Ile Leu Ala Met	565	570		575
Asp His Cys Gly Glu Pro Ser Pro Asp Ser Trp Ser Leu Arg Leu Lys	580	585		590
Lys Gln Ser Cys Glu Gly Ser Trp Glu Asp Val Leu His Leu Gly Glu	595	600	605	
Glu Ala Pro Ser His Leu Tyr Tyr Cys Gln Leu Glu Ala Ser Ala Cys	610	615	620	
Tyr Val Phe Thr Glu Gln Leu Gly Arg Phe Ala Leu Val Gly Glu Ala	625	630	635	640
Leu Ser Val Ala Ala Ala Lys Arg Leu Lys Leu Leu Leu Phe Ala Pro	645	650		655
Val Ala Cys Thr Ser Leu Glu Tyr Asn Ile Arg Val Tyr Cys Leu His	660	665		670
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675

680

685

Gly Gly Gln Leu Ile Gln Glu Pro Arg Val Leu His Phe Lys Asp Ser
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Tyr His Asn Leu Arg Leu Ser Ile His Asp Val Pro Ser Ser Leu Trp
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Lys Ser Lys Leu Leu Val Ser Tyr Gln Glu Ile Pro Phe Tyr His Ile
725 730 735

Trp Asn Gly Thr Gln Arg Tyr Leu His Cys Thr Phe Thr Leu Glu Arg
740 745 750

Val Ser Pro Ser Thr Ser Asp Leu Ala Cys Lys Leu Trp Val Trp Gln
755 760 765

Val Glu Gly Asp Gly Gln Ser Phe Ser Ile Asn Phe Asn Ile Thr Lys
770 775 780

Asp Thr Arg Phe Ala Glu Leu Leu Ala Leu Glu Ser Glu Ala Gly Val
785 790 795 800

Pro Ala Leu Val Gly Pro Ser Ala Phe Lys Ile Pro Phe Leu Ile Arg
805 810 815

Gln Lys Ile Ile Ser Ser Leu Asp Pro Pro Cys Arg Arg Gly Ala Asp
820 825 830

Trp Arg Thr Leu Ala Gln Lys Leu His Leu Asp Ser His Leu Ser Phe
835 840 845

Phe Ala Ser Lys Pro Ser Pro Thr Ala Met Ile Leu Asn Leu Trp Glu
850 855 860

Ala Arg His Phe Pro Asn Gly Asn Leu Ser Gln Leu Ala Ala Ala Val
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<210> 3

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<212> DNA

<213> Homo sapiens

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50 55 60
Ser Asn Leu Phe Ser Lys Glu Asn Ala Leu Ile Ala Lys Lys Glu Met
65 70 75 80
Leu Gln Gln Ile Phe Asn Thr Phe Ser Leu Asn Val Ser Gln Ser Phe
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Trp Asn Glu Ser Ser Leu Glu Arg Phe Leu Ser Arg Leu Tyr Gln Gln
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Phe	Gln	Gly	Ile	His	Asn	Tyr	Leu	His	His	Gln	Asn	Tyr	Ser	Asn	Cys
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<210> 6

<211> 841

<212> PRT

<213> Homo sapiens

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Gly	Thr	Val	Arg	Arg	Phe	Leu	Ser	Val	Val	Gln	Leu	Asn	Pro	Phe	Pro
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Cys	Cys	Arg	Cys	His	Arg	Arg	Cys	Gly	Gly	Arg	Val	Lys	Thr	Glu	His
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Lys	Ala	Leu	Ala	Cys	Glu	Arg	Ala	Ala	Leu	Met	Val	Phe	Leu	Leu	Leu
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Thr	Thr	Leu	Leu	Leu	Leu	Ile	Gly	Val	Val	Cys	Ala	Phe	Val	Thr	Asn
				165					170					175	
Gln	Arg	Thr	His	Glu	Gln	Met	Gly	Pro	Ser	Ile	Glu	Ala	Met	Pro	Glu
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Glu	Leu	Asp	Gly	Val	Gly	Val	Ser	Ile	Gly	Ser	Ala	Ile	His	Thr	Gln
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Leu	Arg	Ser	Ser	Val	Tyr	Pro	Leu	Leu	Ala	Ala	Val	Gly	Ser	Leu	Gly
				245					250					255	
Gln	Val	Leu	Gln	Val	Ser	Val	His	His	Leu	Gln	Thr	Leu	Asn	Ala	Thr
			260					265					270		

Cura 374 CON seq list.txt

Val	Val	Glu	Leu	Gln	Ala	Gly	Gln	Gln	Asp	Leu	Glu	Pro	Ala	Ile	Arg	
		275					280					285				
Glu	His	Arg	Asp	Arg	Leu	Leu	Glu	Leu	Leu	Gln	Glu	Ala	Arg	Cys	Gln	
	290					295					300					
Gly	Asp	Cys	Ala	Gly	Ala	Leu	Ser	Trp	Ala	Arg	Thr	Leu	Glu	Leu	Gly	
305					310					315					320	
Ala	Asp	Phe	Ser	Gln	Val	Pro	Ser	Val	Asp	His	Val	Leu	His	Gln	Leu	
				325					330					335		
Lys	Gly	Val	Pro	Glu	Ala	Asn	Phe	Ser	Ser	Met	Val	Gln	Glu	Glu	Asn	
			340					345					350			
Ser	Thr	Phe	Asn	Ala	Leu	Pro	Ala	Leu	Ala	Ala	Met	Gln	Thr	Ser	Ser	
		355					360					365				
Val	Val	Gln	Glu	Leu	Lys	Lys	Ala	Val	Ala	Gln	Gln	Pro	Glu	Gly	Val	
		370				375					380					
Arg	Thr	Leu	Ala	Glu	Gly	Phe	Pro	Gly	Leu	Glu	Ala	Ala	Ser	Arg	Trp	
385					390					395					400	
Ala	Gln	Ala	Leu	Gln	Glu	Val	Glu	Glu	Ser	Ser	Arg	Pro	Tyr	Leu	Gln	
				405					410					415		
Glu	Val	Gln	Arg	Tyr	Glu	Thr	Tyr	Arg	Trp	Ile	Val	Gly	Cys	Val	Leu	
			420					425					430			
Cys	Ser	Val	Val	Leu	Phe	Val	Val	Leu	Cys	Asn	Leu	Leu	Gly	Leu	Asn	
		435					440					445				
Leu	Gly	Ile	Trp	Gly	Leu	Ser	Ala	Arg	Asp	Asp	Pro	Ser	His	Pro	Glu	
	450					455					460					
Ala	Lys	Gly	Glu	Ala	Gly	Ala	Arg	Phe	Leu	Met	Ala	Gly	Val	Gly	Leu	
465					470					475					480	
Ser	Phe	Leu	Phe	Ala	Ala	Pro	Leu	Ile	Leu	Leu	Val	Phe	Ala	Thr	Phe	
				485					490					495		
Leu	Val	Gly	Gly	Asn	Val	Gln	Thr	Leu	Val	Cys	Gln	Ser	Trp	Glu	Asn	
			500					505					510			
Gly	Glu	Leu	Phe	Glu	Phe	Ala	Asp	Thr	Pro	Gly	Asn	Leu	Pro	Pro	Ser	
		515					520					525				
Met	Asn	Leu	Ser	Gln	Leu	Leu	Gly	Leu	Arg	Lys	Asn	Ile	Ser	Ile	His	
	530					535					540					

Cura 374 CON seq list.txt

Gln	Ala	Tyr	Gln	Gln	Cys	Lys	Glu	Gly	Ala	Ala	Leu	Trp	Thr	Val	Leu	545	550	555	560
Gln	Leu	Asn	Asp	Ser	Tyr	Asp	Leu	Glu	Glu	His	Leu	Asp	Ile	Asn	Gln	565	570	575	
Tyr	Thr	Asn	Lys	Leu	Arg	Gln	Glu	Leu	Gln	Ser	Leu	Lys	Val	Asp	Thr	580	585	590	
Gln	Ser	Leu	Asp	Leu	Leu	Ser	Ser	Ala	Ala	Arg	Arg	Asp	Leu	Glu	Ala	595	600	605	
Leu	Gln	Ser	Ser	Gly	Leu	Gln	Arg	Ile	His	Tyr	Pro	Asp	Phe	Leu	Val	610	615	620	
Gln	Ile	Gln	Arg	Pro	Val	Val	Lys	Thr	Ser	Met	Glu	Gln	Leu	Ala	Gln	625	630	635	640
Glu	Leu	Gln	Gly	Leu	Ala	Gln	Ala	Gln	Asp	Asn	Ser	Val	Leu	Gly	Gln	645	650	655	
Arg	Leu	Gln	Glu	Glu	Ala	Gln	Gly	Leu	Arg	Asn	Leu	His	Gln	Glu	Lys	660	665	670	
Val	Val	Pro	Gln	Gln	Ser	Leu	Val	Ala	Lys	Leu	Asn	Leu	Ser	Val	Arg	675	680	685	
Ala	Leu	Glu	Ser	Ser	Ala	Pro	Asn	Leu	Gln	Val	Ala	Ala	Val	Gly	Gly	690	695	700	
Asp	Leu	Glu	Thr	Ser	Asp	Val	Leu	Ala	Asn	Val	Thr	Tyr	Leu	Lys	Gly	705	710	715	720
Glu	Leu	Pro	Ala	Trp	Ala	Ala	Arg	Ile	Leu	Arg	Asn	Val	Ser	Glu	Cys	725	730	735	
Phe	Leu	Ala	Arg	Glu	Met	Gly	Tyr	Phe	Ser	Gln	Tyr	Val	Ala	Trp	Val	740	745	750	
Arg	Glu	Glu	Val	Thr	Gln	Arg	Ile	Ala	Thr	Cys	Gln	Pro	Leu	Ser	Gly	755	760	765	
Ala	Leu	Asp	Asn	Ser	Arg	Val	Ile	Leu	Cys	Asp	Met	Met	Ala	Asp	Pro	770	775	780	
Trp	Asn	Ala	Phe	Trp	Phe	Cys	Leu	Ala	Trp	Cys	Thr	Phe	Phe	Leu	Ile	785	790	795	800
Pro	Ser	Ile	Ile	Phe	Ala	Val	Lys	Thr	Ser	Lys	Tyr	Phe	Arg	Pro	Ile	805	810	815	

Cura 374 CON seq list.txt

Arg Lys Arg Leu Ser Ser Thr Ser Ser Glu Glu Thr Gln Leu Phe His
820 825 830

Ile Pro Arg Val Thr Ser Leu Lys Leu
835 840

<210> 7

<211> 3261

<212> DNA

<213> Homo sapiens

<400> 7

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agtcagctgg	ctgcaggggc	cacagactgc	aagttccttg	gcccggcaga	gcacctgaca	120
ttcaccgccag	cagccagggc	ccggtggctg	gcccctcgag	ttcgtgcgcc	aggactcctg	180
gactccctct	atggcaccgt	gcgccgcttc	ctctcggtgg	tgcagctcaa	tcctttccct	240
tcagagttgg	taaaggccct	actgaatgag	ctggcctccg	tgaagggtgaa	tgaggtggtg	300
cggtaacgagg	cgggctacgt	ggtatgcgct	gtgatcgcg	gcctctacct	gctgctggtg	360
cccactgccg	ggctttgctt	ctgctgctgc	cgctgccacc	ggcgctgcgg	gggacgagtg	420
aagacagagc	acaaggcgct	ggcctgtgag	cgcgcgggcc	tcattggtctt	cctgctgctg	480
accacctct	tgctgctgat	tgggtgtggtc	tgtgcccttg	tcaccaacca	gcgcacgcat	540
gaacagatgg	gccccagcat	cgaggccatg	cctgagacct	tgctcagcct	ctggggcctg	600
gtctctgatg	tcccccaaga	gctgcaggcc	gtggcacagc	aattctccct	gccccaggag	660
caagtctcag	aggagctgga	tgggtgttgg	gtgagcattg	ggagcgcgat	ccacactcag	720
ctcaggagct	ccgtgtacct	cttgcctggc	gccgtgggca	gtttgggcca	ggtcctgcag	780
gtctccgtgc	accacctgca	aaccttgaat	gctacagtgg	tagagctgca	ggccgggcag	840
caggacctgg	agccagccat	ccgggaacac	cgggaccgcc	tccttgagct	gctgcaggag	900
gccaggtgcc	agggagattg	tgcaggggcc	ctgagctggg	cccgcaccct	ggagctgggt	960
gctgacttca	gccaggtgcc	ctctgtggac	catgtcctgc	accagctaaa	aggtgtcccc	1020
gaggccaact	tctccagcat	ggtccaggag	gagaacagca	ccttcaacgc	ccttccagcc	1080
ctggctgcca	tgcagacatc	cagcgtgggtg	caagagctga	agaaggcagt	ggcccagcag	1140

Cura 374 CON seq list.txt

ccggaagggg tgaggacact ggctgaaggg ttcccgggct tggaggcagc ttcccgctgg 1200
 gcccaggcac tgcaggaggt ggaggagagc agccgcccct acctgcagga ggtgcagaga 1260
 tacgagacct acaggtggat cgtgggctgc gtgctgtgct ccgtgggtcct attcgtggtg 1320
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 cagctcaacg actcctacga cctggaggag cacctggata tcaaccagta taccaacaag 1740
 ctacggcagg agttgcagag cctgaaagta gacacacaga gcctggacct gctgagctca 1800
 gccgcccgcc gggacctgga ggccctgcag agcagtgggc ttcagcgcct ccactacccc 1860
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 gaggcccaag gactcagaaa ccttcaccag gagaaggctg tccccagca gagccttgtg 2040
 gcaaagctca acctcagcgt cagggccctg gagtcctctg ccccgaaatct ccaggtggct 2100
 gctgttggtg gggacctgga gacctcagat gtccatagca atgtcaccta cctgaaagga 2160
 gagctgctg cctgggcagc caggatcctg aggaatgtga gtgagtgttt cctggcccgg 2220
 gagatgggct acttctccca gtacgtggcc tgggtgagag aggaggtgac tcagcgcatt 2280
 gccacctgcc agcccctctc cggagccctg gacaacagcc gtgtgatcct gtgtgacatg 2340
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 cccagcatca tctttgccgt caagacctcc aaatacttcc gtcctatccg gaaacgcctc 2460
 agggcttccg aggagaaacc ctcagggtc tgggtttgtc cctgtgtcag ggctgagggt 2520
 ctggggggaa ggtcccctct tcaccatata tccactgcta ccttgctggc ccagagacc 2580

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Cura 374 CON seq list.txt

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 gtgtgcatcc tttgccgaag ctttctgcac acccgtgaca gcagcagcta tgctgagtgg 3240
 ggtggacggg gagaaagggtg a 3261

<210> 8

<211> 841

<212> PRT

<213> Homo sapiens

<400> 8

Met	Lys	His	Thr	Leu	Ala	Leu	Leu	Ala	Pro	Leu	Leu	Gly	Leu	Gly	Leu
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Gly	Leu	Ala	Leu	Ser	Gln	Leu	Ala	Ala	Gly	Ala	Thr	Asp	Cys	Lys	Phe
			20					25					30		
Leu	Gly	Pro	Ala	Glu	His	Leu	Thr	Phe	Thr	Pro	Ala	Ala	Arg	Ala	Arg
		35					40					45			
Trp	Leu	Ala	Pro	Arg	Val	Arg	Ala	Pro	Gly	Leu	Leu	Asp	Ser	Leu	Tyr
	50					55					60				
Gly	Thr	Val	Arg	Arg	Phe	Leu	Ser	Val	Val	Gln	Leu	Asn	Pro	Phe	Pro
65					70					75					80
Ser	Glu	Leu	Val	Lys	Ala	Leu	Leu	Asn	Glu	Leu	Ala	Ser	Val	Lys	Val
				85					90					95	
Asn	Glu	Val	Val	Arg	Tyr	Glu	Ala	Gly	Tyr	Val	Val	Cys	Ala	Val	Ile

Cura 374 CON seq list.txt

Ala	Gly	Leu	Tyr	Leu	Leu	Leu	Val	Pro	Thr	Ala	Gly	Leu	Cys	Phe	Cys		
		115					120					125					
Cys	Cys	Arg	Cys	His	Arg	Arg	Cys	Gly	Gly	Arg	Val	Lys	Thr	Glu	His		
	130					135					140						
Lys	Ala	Leu	Ala	Cys	Glu	Arg	Ala	Ala	Leu	Met	Val	Phe	Leu	Leu	Leu		
145					150					155					160		
Thr	Thr	Leu	Leu	Leu	Leu	Ile	Gly	Val	Val	Cys	Ala	Phe	Val	Thr	Asn		
				165					170					175			
Gln	Arg	Thr	His	Glu	Gln	Met	Gly	Pro	Ser	Ile	Glu	Ala	Met	Pro	Glu		
			180					185					190				
Thr	Leu	Leu	Ser	Leu	Trp	Gly	Leu	Val	Ser	Asp	Val	Pro	Gln	Glu	Leu		
	195						200					205					
Gln	Ala	Val	Ala	Gln	Gln	Phe	Ser	Leu	Pro	Gln	Glu	Gln	Val	Ser	Glu		
	210					215					220						
Glu	Leu	Asp	Gly	Val	Gly	Val	Ser	Ile	Gly	Ser	Ala	Ile	His	Thr	Gln		
225					230					235					240		
Leu	Arg	Ser	Ser	Val	Tyr	Pro	Leu	Leu	Ala	Ala	Val	Gly	Ser	Leu	Gly		
				245					250					255			
Gln	Val	Leu	Gln	Val	Ser	Val	His	His	Leu	Gln	Thr	Leu	Asn	Ala	Thr		
			260					265					270				
Val	Val	Glu	Leu	Gln	Ala	Gly	Gln	Gln	Asp	Leu	Glu	Pro	Ala	Ile	Arg		
		275					280					285					
Glu	His	Arg	Asp	Arg	Leu	Leu	Glu	Leu	Leu	Gln	Glu	Ala	Arg	Cys	Gln		
	290					295					300						
Gly	Asp	Cys	Ala	Gly	Ala	Leu	Ser	Trp	Ala	Arg	Thr	Leu	Glu	Leu	Gly		
305					310					315					320		
Ala	Asp	Phe	Ser	Gln	Val	Pro	Ser	Val	Asp	His	Val	Leu	His	Gln	Leu		
				325					330					335			
Lys	Gly	Val	Pro	Glu	Ala	Asn	Phe	Ser	Ser	Met	Val	Gln	Glu	Glu	Asn		
			340					345					350				
Ser	Thr	Phe	Asn	Ala	Leu	Pro	Ala	Leu	Ala	Ala	Met	Gln	Thr	Ser	Ser		
		355					360					365					
Val	Val	Gln	Glu	Leu	Lys	Lys	Ala	Val	Ala	Gln	Gln	Pro	Glu	Gly	Val		
	370					375					380						

Cura 374 CON seq list.txt

Arg	Thr	Leu	Ala	Glu	Gly	Phe	Pro	Gly	Leu	Glu	Ala	Ala	Ser	Arg	Trp	385	390	395	400
Ala	Gln	Ala	Leu	Gln	Glu	Val	Glu	Glu	Ser	Ser	Arg	Pro	Tyr	Leu	Gln		405	410	415
Glu	Val	Gln	Arg	Tyr	Glu	Thr	Tyr	Arg	Trp	Ile	Val	Gly	Cys	Val	Leu		420	425	430
Cys	Ser	Val	Val	Leu	Phe	Val	Val	Leu	Cys	Asn	Leu	Leu	Gly	Leu	Asn		435	440	445
Leu	Gly	Ile	Trp	Gly	Leu	Ser	Ala	Arg	Asp	Asp	Pro	Ser	His	Pro	Glu		450	455	460
Ala	Lys	Gly	Glu	Ala	Gly	Ala	Arg	Phe	Leu	Met	Ala	Gly	Val	Gly	Leu		465	470	475
Ser	Phe	Leu	Phe	Ala	Ala	Pro	Leu	Ile	Leu	Leu	Val	Phe	Ala	Thr	Phe		485	490	495
Leu	Val	Gly	Gly	Asn	Val	Gln	Thr	Leu	Val	Cys	Gln	Ser	Trp	Glu	Asn		500	505	510
Gly	Glu	Leu	Phe	Glu	Phe	Ala	Asp	Thr	Pro	Gly	Asn	Leu	Pro	Pro	Ser		515	520	525
Met	Asn	Leu	Ser	Gln	Leu	Leu	Gly	Leu	Arg	Lys	Asn	Ile	Ser	Ile	His		530	535	540
Gln	Ala	Tyr	Gln	Gln	Cys	Lys	Glu	Gly	Ala	Ala	Leu	Trp	Thr	Val	Leu		545	550	555
Gln	Leu	Asn	Asp	Ser	Tyr	Asp	Leu	Glu	Glu	His	Leu	Asp	Ile	Asn	Gln		565	570	575
Tyr	Thr	Asn	Lys	Leu	Arg	Gln	Glu	Leu	Gln	Ser	Leu	Lys	Val	Asp	Thr		580	585	590
Gln	Ser	Leu	Asp	Leu	Leu	Ser	Ser	Ala	Ala	Arg	Arg	Asp	Leu	Glu	Ala		595	600	605
Leu	Gln	Ser	Ser	Gly	Leu	Gln	Arg	Ile	His	Tyr	Pro	Asp	Phe	Leu	Val		610	615	620
Gln	Ile	Gln	Arg	Pro	Val	Val	Lys	Thr	Ser	Met	Glu	Gln	Leu	Ala	Gln		625	630	635
Glu	Leu	Gln	Gly	Leu	Ala	Gln	Ala	Gln	Asp	Asn	Ser	Val	Leu	Gly	Gln		645	650	655

Cura 374 CON seq list.txt

Arg Leu Gln Glu Glu Ala Gln Gly Leu Arg Asn Leu His Gln Glu Lys
660 665 670

Val Val Pro Gln Gln Ser Leu Val Ala Lys Leu Asn Leu Ser Val Arg
675 680 685

Ala Leu Glu Ser Ser Ala Pro Asn Leu Gln Val Ala Ala Val Gly Gly
690 695 700

Asp Leu Glu Thr Ser Asp Val Leu Ala Asn Val Thr Tyr Leu Lys Gly
705 710 715 720

Glu Leu Pro Ala Trp Ala Ala Arg Ile Leu Arg Asn Val Ser Glu Cys
725 730 735

Phe Leu Ala Arg Glu Met Gly Tyr Phe Ser Gln Tyr Val Ala Trp Val
740 745 750

Arg Glu Glu Val Thr Gln Arg Ile Ala Thr Cys Gln Pro Leu Ser Gly
755 760 765

Ala Leu Asp Asn Ser Arg Val Ile Leu Cys Asp Met Met Ala Asp Pro
770 775 780

Trp Asn Ala Phe Trp Phe Cys Leu Ala Trp Cys Thr Phe Phe Leu Ile
785 790 795 800

Pro Ser Ile Ile Phe Ala Val Lys Thr Ser Lys Tyr Phe Arg Pro Ile
805 810 815

Arg Lys Arg Leu Ser Ser Thr Ser Ser Glu Glu Thr Gln Leu Phe His
820 825 830

Ile Pro Arg Val Thr Ser Leu Lys Leu
835 840

<210> 9

<211> 2007

<212> DNA

<213> Homo sapiens

<400> 9

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cttcgtcatt gctgtgggga tctggtcgtc catccgtgca agtcgagggga ccattggcgg 180
ctatttctctg gccgggaggt ccatgagctg gtggccagtg attggagcat ctctgatgtc 240

Cura 374 CON seq list.txt

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cactattcac aatagcaaag actttgaacc aatccaaata tccaacaatg agcaggccct 1740
gagcccagca gagaaggctg cgctagaaca gaagctgaca agcattgagg aggagtcttc 1800

Cura 374 CON seq list.txt

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 actctggaga catgtctgca acatcaatgc tgtccttttg ctggccatca acatcttcct 1980
 ctggggctat tttgcgtgat tccacag 2007

<210> 10
 <211> 664
 <212> PRT
 <213> Homo sapiens

<400> 10
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 1 5 10 15
 His Ile Ala Leu Asp Ser Arg Val Gly Leu His Ala Tyr Asp Ile Ser
 20 25 30
 Val Val Val Ile Tyr Phe Val Phe Val Ile Ala Val Gly Ile Trp Ser
 35 40 45
 Ser Ile Arg Ala Ser Arg Gly Thr Ile Gly Gly Tyr Phe Leu Ala Gly
 50 55 60
 Arg Ser Met Ser Trp Trp Pro Val Ile Gly Ala Ser Leu Met Ser Ser
 65 70 75 80
 Asn Val Gly Ser Gly Leu Phe Ile Gly Leu Ala Gly Thr Gly Ala Ala
 85 90 95
 Gly Gly Leu Ala Val Gly Gly Phe Glu Trp Asn Ala Thr Trp Leu Leu
 100 105 110
 Leu Ala Leu Gly Trp Val Phe Val Pro Val Tyr Ile Ala Ala Gly Val
 115 120 125
 Val Thr Met Pro Gln Tyr Leu Lys Lys Arg Phe Gly Gly Gln Arg Ile
 130 135 140
 Gln Met Tyr Met Ser Val Leu Ser Leu Ile Leu Tyr Ile Phe Thr Lys
 145 150 155 160
 Ile Ser Val Asp Ile Phe Ser Gly Ala Leu Phe Ile Gln Met Ala Leu
 165 170 175
 Gly Trp Asn Leu Tyr Leu Ser Thr Gly Ile Leu Leu Val Val Thr Ala

Cura 374 CON seq list.txt
185

180																	190
Val	Tyr	Thr	Ile	Ala	Gly	Gly	Gly	Leu	Met	Ala	Val	Ile	Tyr	Thr	Asp		
	195						200					205					
Ala	Leu	Gln	Thr	Val	Ile	Met	Val	Gly	Gly	Ala	Leu	Val	Leu	Met	Phe		
	210					215					220						
Leu	Gly	Lys	Glu	Glu	Thr	Gly	Trp	Tyr	Pro	Gly	Leu	Glu	Gln	Arg	Tyr		
225					230					235					240		
Arg	Gln	Ala	Ile	Pro	Asn	Val	Thr	Val	Pro	Asn	Thr	Thr	Cys	His	Leu		
				245					250					255			
Pro	Arg	Pro	Asp	Ala	Phe	His	Met	Leu	Arg	Asp	Pro	Val	Ser	Gly	Asp		
			260					265					270				
Ile	Pro	Trp	Pro	Gly	Leu	Ile	Phe	Gly	Leu	Thr	Val	Leu	Ala	Thr	Trp		
	275						280					285					
Cys	Trp	Cys	Thr	Asp	Gln	Val	Ile	Val	Gln	Arg	Ser	Leu	Ser	Ala	Lys		
290						295					300						
Ser	Leu	Ser	His	Ala	Lys	Gly	Gly	Ser	Val	Leu	Gly	Gly	Tyr	Leu	Lys		
305					310					315					320		
Ile	Leu	Pro	Met	Phe	Phe	Ile	Val	Met	Pro	Gly	Met	Ile	Ser	Arg	Ala		
				325					330					335			
Leu	Phe	Pro	Glu	Ile	Ala	Cys	Met	Cys	Val	Pro	Val	Cys	Thr	His	Ala		
			340					345					350				
Cys	Ala	Ala	Arg	Lys	Arg	Lys	Glu	Gly	Val	Leu	Gln	Gly	Leu	Val	Val		
	355						360					365					
Ala	Val	Arg	Leu	Ser	Pro	Gly	Leu	Arg	Gly	Leu	Met	Ile	Ala	Val	Ile		
	370					375					380						
Met	Ala	Ala	Leu	Met	Ser	Ser	Leu	Thr	Ser	Ile	Phe	Asn	Ser	Ser	Ser		
385					390					395					400		
Thr	Leu	Phe	Thr	Ile	Asp	Val	Trp	Gln	Arg	Phe	Arg	Arg	Lys	Ser	Thr		
				405					410					415			
Glu	Gln	Glu	Leu	Met	Val	Val	Gly	Arg	Val	Phe	Val	Val	Phe	Leu	Val		
			420					425					430				
Val	Ile	Ser	Ile	Leu	Trp	Ile	Pro	Ile	Ile	Gln	Ser	Ser	Asn	Ser	Gly		
	435						440					445					
Gln	Leu	Phe	Asp	Tyr	Ile	Gln	Ala	Val	Thr	Ser	Tyr	Leu	Ala	Pro	Pro		

Cura 374 CON seq list.txt

450		455		460
Ile Thr Ala Leu Phe Leu Leu Ala Ile Phe Cys Lys Arg Val Thr Glu				
465		470	475	480
Gln Gly Ala Phe Trp Gly Leu Val Phe Gly Leu Gly Val Gly Leu Leu				
	485		490	495
Arg Met Ile Leu Glu Phe Ser Tyr Pro Ala Pro Ala Cys Gly Glu Val				
	500		505	510
Asp Arg Arg Pro Ala Val Leu Lys Asp Phe His Tyr Leu Tyr Phe Ala				
	515		520	525
Ile Leu Leu Cys Gly Leu Thr Ala Ile Val Ile Val Ile Val Ser Leu				
	530		535	540
Cys Thr Thr Pro Ile Pro Glu Leu His Thr Tyr Ile Tyr Cys Gly Thr				
	545		550	555
Ile His Asn Ser Lys Asp Phe Glu Pro Ile Gln Ile Ser Asn Asn Glu				
	565		570	575
Gln Ala Leu Ser Pro Ala Glu Lys Ala Ala Leu Glu Gln Lys Leu Thr				
	580		585	590
Ser Ile Glu Glu Glu Ser Ser Gly Phe Val Pro Pro Ala Trp Ser Trp				
	595		600	605
Phe Cys Gly Leu Ser Gly Thr Pro Glu Gln Ala Leu Ser Pro Ala Glu				
	610		615	620
Lys Ala Ala Leu Glu Gln Lys Leu Thr Ser Ile Glu Glu Glu Pro Leu				
	625		630	635
Trp Arg His Val Cys Asn Ile Asn Ala Val Leu Leu Leu Ala Ile Asn				
	645		650	655
Ile Phe Leu Trp Gly Tyr Phe Ala				
	660			

<210> 11

<211> 2153

<212> DNA

<213> Homo sapiens

<400> 11

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cttgagtgtt ctgaagcatc ttctgatttg aatgaatctg caaattccac tgctcagtat 120

Cura 374 CON seq list.txt

gcatctaacg cttgggtttgc tgctgccagc tcagagccag aggaagggat atctgttttt 180
 gaactggatt atgactatgt gcaaattcct tatgaggtca ctctctggat acttctagca 240
 tcccttgcaa aaatagggttt ccacctctac cacaggctgc caggcctcat gccagaaagc 300
 tgccctcctca tcctgggtggg ggcgctgggtg ggcggcatca tcttcggcac cgaccacaaa 360
 tcgcctccgg tcatggactc cagcatctac ttctgtatc tcctgccacc catcgttctg 420
 gagggcggct acttcatgcc caccggccc ttctttgaga acatcggctc catcctgtgg 480
 tgggcagtat tgggggccct gatcaacgcc ttgggcattg gcctctccct ctacctcatc 540
 tgccaggtga aggccttttg cctgggcgac gtcaacctgc tgcagaacct gctgttcggc 600
 agcctgatct ccgccgtgga ccagtgggc gtgctagccg tgtttgagga agcgcgctg 660
 aacgagcagc tctacatgat gatctttggg gaggcctgc tcaatgatgg cattactgtg 720
 gtgttataca atatgttaat tgcctttaca aagatgcata aatttgaaga catagaaact 780
 gtgcacattt tggctggatg tgcccgattc atcgttgtgg ggcttgagg ggtattgttt 840
 ggcacgttt ttggatttat ttctgcattt atcacagtt tcaactcagaa tatctctgca 900
 attgagccac tcatcgctct catgttcagc tatttgtctt acttagctgc tgaaaccctc 960
 tatctctccg gcatcctggc gatcacagcc tgcgcagtaa caatgaaaaa gtacgtggaa 1020
 gaaaacgtgt ccagacatc atacacgacc atcaagtact tcatgaagat gctgagcagc 1080
 gtcagcgaga ccttgatctt catcttcatg ggtgtgtcca ctgtgggcaa gaatcacgag 1140
 tggaactggg ccttcatctg cttcaccctg gccttctgcc aaatctggag agccatcagt 1200
 gtatttgctc tcttctatat cagtaaccag ttctggactt tccccttctc catcaaggac 1260
 cagtgcacaa ttttctacag tgggtgttca ggagctggaa gtttttcaact tgcatttttg 1320
 cttcctctgt ctctttttcc taggaagaaa atgtttgtca ctgctactct agtagttata 1380
 tactttactg tattttattca gggaatcaca gttggccctc tggtcaggta cctggatgtt 1440
 aaaaaaacca ataaaaaaga atccatcaat gaagagcttc atattcgtct gatggatcac 1500
 ttaaaggctg gaatcgaaga tgtgtgtggg cactggagtc actaccaagt gagagacaag 1560
 tttaagaagt ttgatcatag atacttacgg aaaatcctca tcagaaagaa cctacccaaa 1620

Cura 374 CON seq list.txt

tcaagcattg tttcttttga caagaagctg gaaatgaagc aagccatcga gatggtggag 1680
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 atcaaaagac tttcccctga agatgtggag tccataaggg acattctgac atccaacatg 1800
 taccaagttc ggcaaaggac cctgtcctac aacaaatata acctcaaacc ccaaacaagt 1860
 gagaagcagg ctaaagagat tctgatccgc cgccagaaca ccttaagggg gagcatgagg 1920
 aaaggtcaca gcctgccctg gggaaagccg gctggcacca agaatatccg ctacctctcc 1980
 taccctctacg ggaatcctca gtctgcagga agagacacaa gggctgctgg gttctcaggt 2040
 aagctgcccc cctggctgct cctttgggtg aggttcgggc gaggtggaca gctgaccatg 2100
 gacacggcag ggaccatcac aggtcccata gtcctttgct ccaaaaaaaaa tag 2153

<210> 12

<211> 717

<212> PRT

<213> Homo sapiens

<400> 12

Met	Ala	Leu	Gln	Met	Phe	Val	Thr	Tyr	Ser	Pro	Trp	Asn	Cys	Leu	Leu
1				5					10					15	
Leu	Leu	Val	Ala	Leu	Glu	Cys	Ser	Glu	Ala	Ser	Ser	Asp	Leu	Asn	Glu
			20					25					30		
Ser	Ala	Asn	Ser	Thr	Ala	Gln	Tyr	Ala	Ser	Asn	Ala	Trp	Phe	Ala	Ala
		35					40					45			
Ala	Ser	Ser	Glu	Pro	Glu	Glu	Gly	Ile	Ser	Val	Phe	Glu	Leu	Asp	Tyr
	50					55					60				
Asp	Tyr	Val	Gln	Ile	Pro	Tyr	Glu	Val	Thr	Leu	Trp	Ile	Leu	Leu	Ala
65					70					75					80
Ser	Leu	Ala	Lys	Ile	Gly	Phe	His	Leu	Tyr	His	Arg	Leu	Pro	Gly	Leu
				85					90					95	
Met	Pro	Glu	Ser	Cys	Leu	Leu	Ile	Leu	Val	Gly	Ala	Leu	Val	Gly	Gly
			100					105					110		
Ile	Ile	Phe	Gly	Thr	Asp	His	Lys	Ser	Pro	Pro	Val	Met	Asp	Ser	Ser
		115					120					125			
Ile	Tyr	Phe	Leu	Tyr	Leu	Leu	Pro	Pro	Ile	Val	Leu	Glu	Gly	Gly	Tyr

Cura 374 CON seq list.txt

130																	
Phe	Met	Pro	Thr	Arg	Pro	Phe	Phe	Glu	Asn	Ile	Gly	Ser	Ile	Leu	Trp		
145					150					155					160		
Trp	Ala	Val	Leu	Gly	Ala	Leu	Ile	Asn	Ala	Leu	Gly	Ile	Gly	Leu	Ser		
				165					170					175			
Leu	Tyr	Leu	Ile	Cys	Gln	Val	Lys	Ala	Phe	Gly	Leu	Gly	Asp	Val	Asn		
			180					185					190				
Leu	Leu	Gln	Asn	Leu	Leu	Phe	Gly	Ser	Leu	Ile	Ser	Ala	Val	Asp	Pro		
		195					200					205					
Val	Ala	Val	Leu	Ala	Val	Phe	Glu	Glu	Ala	Arg	Val	Asn	Glu	Gln	Leu		
	210					215					220						
Tyr	Met	Met	Ile	Phe	Gly	Glu	Ala	Leu	Leu	Asn	Asp	Gly	Ile	Thr	Val		
225					230					235					240		
Val	Leu	Tyr	Asn	Met	Leu	Ile	Ala	Phe	Thr	Lys	Met	His	Lys	Phe	Glu		
				245					250					255			
Asp	Ile	Glu	Thr	Val	Asp	Ile	Leu	Ala	Gly	Cys	Ala	Arg	Phe	Ile	Val		
			260					265					270				
Val	Gly	Leu	Gly	Gly	Val	Leu	Phe	Gly	Ile	Val	Phe	Gly	Phe	Ile	Ser		
		275					280					285					
Ala	Phe	Ile	Thr	Arg	Phe	Thr	Gln	Asn	Ile	Ser	Ala	Ile	Glu	Pro	Leu		
		290				295					300						
Ile	Val	Phe	Met	Phe	Ser	Tyr	Leu	Ser	Tyr	Leu	Ala	Ala	Glu	Thr	Leu		
305					310					315					320		
Tyr	Leu	Ser	Gly	Ile	Leu	Ala	Ile	Thr	Ala	Cys	Ala	Val	Thr	Met	Lys		
				325					330					335			
Lys	Tyr	Val	Glu	Glu	Asn	Val	Ser	Gln	Thr	Ser	Tyr	Thr	Thr	Ile	Lys		
			340					345					350				
Tyr	Phe	Met	Lys	Met	Leu	Ser	Ser	Val	Ser	Glu	Thr	Leu	Ile	Phe	Ile		
		355					360					365					
Phe	Met	Gly	Val	Ser	Thr	Val	Gly	Lys	Asn	His	Glu	Trp	Asn	Trp	Ala		
		370				375					380						
Phe	Ile	Cys	Phe	Thr	Leu	Ala	Phe	Cys	Gln	Ile	Trp	Arg	Ala	Ile	Ser		
385					390					395					400		
Val	Phe	Ala	Leu	Phe	Tyr	Ile	Ser	Asn	Gln	Phe	Arg	Thr	Phe	Pro	Phe		

Cura 374 CON seq list.txt

405		410		415
Ser Ile Lys Asp Gln Cys Ile Ile Phe Tyr Ser Gly Val Arg Gly Ala	420	425		430
Gly Ser Phe Ser Leu Ala Phe Leu Leu Pro Leu Ser Leu Phe Pro Arg	435	440		445
Lys Lys Met Phe Val Thr Ala Thr Leu Val Val Ile Tyr Phe Thr Val	450	455		460
Phe Ile Gln Gly Ile Thr Val Gly Pro Leu Val Arg Tyr Leu Asp Val	465	470	475	480
Lys Lys Thr Asn Lys Lys Glu Ser Ile Asn Glu Glu Leu His Ile Arg	485	490		495
Leu Met Asp His Leu Lys Ala Gly Ile Glu Asp Val Cys Gly His Trp	500	505		510
Ser His Tyr Gln Val Arg Asp Lys Phe Lys Lys Phe Asp His Arg Tyr	515	520	525	
Leu Arg Lys Ile Leu Ile Arg Lys Asn Leu Pro Lys Ser Ser Ile Val	530	535	540	
Ser Leu Tyr Lys Lys Leu Glu Met Lys Gln Ala Ile Glu Met Val Glu	545	550	555	560
Thr Gly Ile Leu Ser Ser Thr Ala Phe Ser Ile Pro His Gln Ala Gln	565	570		575
Arg Ile Gln Gly Ile Lys Arg Leu Ser Pro Glu Asp Val Glu Ser Ile	580	585		590
Arg Asp Ile Leu Thr Ser Asn Met Tyr Gln Val Arg Gln Arg Thr Leu	595	600	605	
Ser Tyr Asn Lys Tyr Asn Leu Lys Pro Gln Thr Ser Glu Lys Gln Ala	610	615	620	
Lys Glu Ile Leu Ile Arg Arg Gln Asn Thr Leu Arg Glu Ser Met Arg	625	630	635	640
Lys Gly His Ser Leu Pro Trp Gly Lys Pro Ala Gly Thr Lys Asn Ile	645	650		655
Arg Tyr Leu Ser Tyr Pro Tyr Gly Asn Pro Gln Ser Ala Gly Arg Asp	660	665	670	
Thr Arg Ala Ala Gly Phe Ser Gly Lys Leu Pro Thr Trp Leu Leu Leu				

Cura 374 CON seq list.txt

675

680

685

Trp Leu Arg Phe Gly Arg Gly Gly Gln Leu Thr Met Asp Thr Ala Gly
690 695 700

Thr Ile Thr Gly Pro Ile Val Leu Cys Ser Lys Lys Asn
705 710 715

<210> 13

<211> 251

<212> DNA

<213> Homo sapiens

<400> 13

gacaggattc cacagctttg cactcctggc tctgctttct ctgcaaccat gtctgacaaa 60
cccagcatgg ctgagattga gacactcaat aagcagagat tgaagaaggc agaaacacaa 120
gagataaatc caccgccttc aagagaaaca aacgaaagaa gcaaacaggt gaattataat 180
gagctgtgag ctgcgaatag gtactgcaca ttccatgggc attgccttct tattttactt 240
cttttagctg t 251

<210> 14

<211> 46

<212> PRT

<213> Homo sapiens

<400> 14

Met Ser Asp Lys Pro Ser Met Ala Glu Ile Glu Thr Leu Asn Lys Gln
1 5 10 15
Arg Leu Lys Lys Ala Glu Thr Gln Glu Ile Asn Pro Pro Pro Ser Arg
20 25 30
Glu Thr Asn Glu Arg Ser Lys Gln Val Asn Tyr Asn Glu Leu
35 40 45

<210> 15

<211> 2144

<212> DNA

<213> Homo sapiens

<400> 15

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Cura 374 CON seq list.txt

ttcatgggat ccaccattgg ctgccccgct cgctgtgagt gctctgcca gaacaaatct 120
 gttagctgtc acagaaggcg attgatcgcc atcccagagg gcattcccat cgaaaccaa 180
 atcttggacc tcagtaaaaa caggctaaaa agcgtcaacc ctgaagaatt catatcatat 240
 cctctgctgg aagagataga cttgagtgc aacatcattg ccaatgtgga accaggagca 300
 ttcaacaatc tctttaacct gcgttcctc cgcctaaaag gcaatcgtct aaagctggtc 360
 cctttgggag tattcacggg gctgtccaat ctactaagc ttgacattag tgagaataag 420
 attgtcattt tactagacta catgttccaa gatctacata acctgaagtc tctagaagtg 480
 ggggacaatg atttggttta tatatcacac agggcattca gtgggcttct tagcttggag 540
 cagctcacc tggagaaatg caacttaaca gcagtaccaa cagaagccct ctcccacctc 600
 cgcagcctca tcagcctgca tctgaagcat ctcaatatca acaatatgcc tgtgtatgcc 660
 tttaaaagat tgttccacct gaaacaccta gagattgact attggccttt actggatatg 720
 atgcctgcca atagcctcta cggtctcaac ctacatccc tttcagtcac caacaccaat 780
 ctgtctactg tacccttct tgcctttaa cactgggtat acctgactca ccttaacctc 840
 tcctacaatc ccatcagcac tattgaagca ggcattgtct ctgacctgat ccgccttcag 900
 gagcttcata tagtgggggc ccagcttcgc accattgagc ctactcctt ccaagggtc 960
 cgcttcctac gcgtgctcaa tgtgtctcag aacctgctgg aaactttgga agagaatgtc 1020
 ttctcctccc ctagggctct ggaggtcttg agcattaaca acaaccctct ggctgtgac 1080
 tgccgccttc tctggatctt gcagcgacag cccaccctgc agtttggtgg ccagcaacct 1140
 atgtgtgctg gccagacac catccgtgag aggtctttca aggatttcca tagcactgcc 1200
 ctttcttttt actttacctg caaaaaaccc aaaatccgtg aaaagaagtt gcagcatctg 1260
 ctagtagatg aagggcagac agtccagcta gaatgcagtg cagatggaga cccgcagcct 1320
 gtgatttctt gggtgacacc ccgaaggcgt ttcacacca ccaagtccaa tggaagagcc 1380
 accgtgttgg gtgatggcac cttggaaatc cgctttgccc aggatcaaga cagcgggatg 1440
 tatgtttgca tcgctagcaa tgctgctggg aatgatacct tcacagcctc ctttaactgtg 1500
 aaaggattcg cttcagatcg ttttctttat gcgaacagga cccctatgta catgaccgac 1560
 tccaatgaca ccatttccaa tggcagcaat gccaatactt tttccctgga ccttaaaaca 1620

Cura 374 CON seq list.txt

atactggtgt ctacagctat gggctgcttc acattcctgg gagtggtttt attttgtttt 1680
 cttctccttt ttgtgtggag ccgagggaaa ggcaagcaca aaaacagcat tgaccttgag 1740
 tatgtgccca aaaaaaacca tgggtgctgtt gtggaagggg aggtagctgg acccaggagg 1800
 ttcaacatga aaatgatttg aaggcccacc cctcacatta ctgtctcttt gtcaatgtgg 1860
 gtaatcagta agacagtatg gcacagtaaa ttactagatt aagaggcagc catgtgcagc 1920
 tgcccctgta tcaaaagcag ggtctatgga agcaggagga cttccaatgg agactctcca 1980
 tcgaaaggca ggcaggcagg catgtgtcag agcccttcac acagtgggat actaagtgtt 2040
 tgcgttgcaa atattggcgt tctggggatc tcagtaatga acctgaatat ttggctcaca 2100
 ctcacggaca attattcagc attttctacc actgcaaaaa aaaa 2144

<210> 16
 <211> 606
 <212> PRT
 <213> Homo sapiens

<400> 16
 Met Leu His Thr Ala Ile Ser Cys Trp Gln Pro Phe Leu Gly Leu Ala
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 Val Val Leu Ile Phe Met Gly Ser Thr Ile Gly Cys Pro Ala Arg Cys
 20 25 30
 Glu Cys Ser Ala Gln Asn Lys Ser Val Ser Cys His Arg Arg Arg Leu
 35 40 45
 Ile Ala Ile Pro Glu Gly Ile Pro Ile Glu Thr Lys Ile Leu Asp Leu
 50 55 60
 Ser Lys Asn Arg Leu Lys Ser Val Asn Pro Glu Glu Phe Ile Ser Tyr
 65 70 75 80
 Pro Leu Leu Glu Glu Ile Asp Leu Ser Asp Asn Ile Ile Ala Asn Val
 85 90 95
 Glu Pro Gly Ala Phe Asn Asn Leu Phe Asn Leu Arg Ser Leu Arg Leu
 100 105 110
 Lys Gly Asn Arg Leu Lys Leu Val Pro Leu Gly Val Phe Thr Gly Leu
 115 120 125

Cura 374 CON seq. list.txt

Ser	Asn	Leu	Thr	Lys	Leu	Asp	Ile	Ser	Glu	Asn	Lys	Ile	Val	Ile	Leu
130						135					140				
Leu	Asp	Tyr	Met	Phe	Gln	Asp	Leu	His	Asn	Leu	Lys	Ser	Leu	Glu	Val
145					150					155					160
Gly	Asp	Asn	Asp	Leu	Val	Tyr	Ile	Ser	His	Arg	Ala	Phe	Ser	Gly	Leu
				165					170					175	
Leu	Ser	Leu	Glu	Gln	Leu	Thr	Leu	Glu	Lys	Cys	Asn	Leu	Thr	Ala	Val
			180					185					190		
Pro	Thr	Glu	Ala	Leu	Ser	His	Leu	Arg	Ser	Leu	Ile	Ser	Leu	His	Leu
		195					200					205			
Lys	His	Leu	Asn	Ile	Asn	Asn	Met	Pro	Val	Tyr	Ala	Phe	Lys	Arg	Leu
	210					215					220				
Phe	His	Leu	Lys	His	Leu	Glu	Ile	Asp	Tyr	Trp	Pro	Leu	Leu	Asp	Met
225					230					235					240
Met	Pro	Ala	Asn	Ser	Leu	Tyr	Gly	Leu	Asn	Leu	Thr	Ser	Leu	Ser	Val
				245					250					255	
Thr	Asn	Thr	Asn	Leu	Ser	Thr	Val	Pro	Phe	Leu	Ala	Phe	Lys	His	Leu
			260					265					270		
Val	Tyr	Leu	Thr	His	Leu	Asn	Leu	Ser	Tyr	Asn	Pro	Ile	Ser	Thr	Ile
		275					280					285			
Glu	Ala	Gly	Met	Phe	Ser	Asp	Leu	Ile	Arg	Leu	Gln	Glu	Leu	His	Ile
	290					295					300				
Val	Gly	Ala	Gln	Leu	Arg	Thr	Ile	Glu	Pro	His	Ser	Phe	Gln	Gly	Leu
305					310					315					320
Arg	Phe	Leu	Arg	Val	Leu	Asn	Val	Ser	Gln	Asn	Leu	Leu	Glu	Thr	Leu
				325					330					335	
Glu	Glu	Asn	Val	Phe	Ser	Ser	Pro	Arg	Ala	Leu	Glu	Val	Leu	Ser	Ile
			340					345					350		
Asn	Asn	Asn	Pro	Leu	Ala	Cys	Asp	Cys	Arg	Leu	Leu	Trp	Ile	Leu	Gln
		355					360					365			
Arg	Gln	Pro	Thr	Leu	Gln	Phe	Gly	Gly	Gln	Gln	Pro	Met	Cys	Ala	Gly
	370					375					380				
Pro	Asp	Thr	Ile	Arg	Glu	Arg	Ser	Phe	Lys	Asp	Phe	His	Ser	Thr	Ala
385					390					395					400

Cura 374 CON seq list.txt

Leu Ser Phe Tyr Phe Thr Cys Lys Lys Pro Lys Ile Arg Glu Lys Lys
405 410 415

Leu Gln His Leu Leu Val Asp Glu Gly Gln Thr Val Gln Leu Glu Cys
420 425 430

Ser Ala Asp Gly Asp Pro Gln Pro Val Ile Ser Trp Val Thr Pro Arg
435 440 445

Arg Arg Phe Ile Thr Thr Lys Ser Asn Gly Arg Ala Thr Val Leu Gly
450 455 460

Asp Gly Thr Leu Glu Ile Arg Phe Ala Gln Asp Gln Asp Ser Gly Met
465 470 475 480

Tyr Val Cys Ile Ala Ser Asn Ala Ala Gly Asn Asp Thr Phe Thr Ala
485 490 495

Ser Leu Thr Val Lys Gly Phe Ala Ser Asp Arg Phe Leu Tyr Ala Asn
500 505 510

Arg Thr Pro Met Tyr Met Thr Asp Ser Asn Asp Thr Ile Ser Asn Gly
515 520 525

Ser Asn Ala Asn Thr Phe Ser Leu Asp Leu Lys Thr Ile Leu Val Ser
530 535 540

Thr Ala Met Gly Cys Phe Thr Phe Leu Gly Val Val Leu Phe Cys Phe
545 550 555 560

Leu Leu Leu Phe Val Trp Ser Arg Gly Lys Gly Lys His Lys Asn Ser
565 570 575

Ile Asp Leu Glu Tyr Val Pro Lys Lys Asn His Gly Ala Val Val Glu
580 585 590

Gly Glu Val Ala Gly Pro Arg Arg Phe Asn Met Lys Met Ile
595 600 605

<210> 17

<211> 2187

<212> DNA

<213> Homo sapiens

<400> 17

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gtgtagacta agaagtggag tcatgcttca cacggccata tcatgctggc agccattcct 120

gggtctggct gtggtgttaa tcttcatggg acccaccatt ggctgccccg ctcgctgtga 180

Cura 374 CON seq list.txt

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 gggcattccc atcgaaacca aaatcttgaa cctcagtaaa aacaggctaa aaagcgtcaa 300
 ccctgaagaa ttcatatcat atcctctgct ggaagagata gacttgagtg acaacatcat 360
 tgccaatgtg gaaccaggag cattcaacaa tctctttaac ctgcgttccc tccgcctaaa 420
 aggcaatcgt ctaaagctgg tccctttggg agtattcacg gggctgtcca atctcactaa 480
 gcttgacatt agtgagaata agattgtcat ttactagac tacatgttcc aagatctaca 540
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 cttcacagcc tccttaactg tgaaaggatt cgcttcagat cgttttcttt atgcgaacag 1620
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Cura 374 CON seq list.txt

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 ggaggtagct ggacccagga ggttcaacat gaaaatgatt tgaaggccca cccctcacat 1920
 tactgtctct ttgtcaatgt gggtaatcag taagacagta tggcacagta aattactaga 1980
 ttaagaggca gccatgtgca gctgcccctg tatcaaaagc aggggtctatg gaagcaggag 2040
 gacttccaat ggagactctc catcgaaagg caggcaggca ggcattgtgc agagcccttc 2100
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 gaacctgaat atttggtca cactcac 2187

<210> 18
 <211> 606
 <212> PRT
 <213> Homo sapiens

<400> 18
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 1 5 10 15
 Val Val Leu Ile Phe Met Gly Pro Thr Ile Gly Cys Pro Ala Arg Cys
 20 25 30
 Glu Cys Ser Ala Gln Asn Lys Ser Val Ser Cys His Arg Arg Arg Leu
 35 40 45
 Ile Ala Ile Pro Glu Gly Ile Pro Ile Glu Thr Lys Ile Leu Asn Leu
 50 55 60
 Ser Lys Asn Arg Leu Lys Ser Val Asn Pro Glu Glu Phe Ile Ser Tyr
 65 70 75 80
 Pro Leu Leu Glu Glu Ile Asp Leu Ser Asp Asn Ile Ile Ala Asn Val
 85 90 95
 Glu Pro Gly Ala Phe Asn Asn Leu Phe Asn Leu Arg Ser Leu Arg Leu
 100 105 110
 Lys Gly Asn Arg Leu Lys Leu Val Pro Leu Gly Val Phe Thr Gly Leu
 115 120 125
 Ser Asn Leu Thr Lys Leu Asp Ile Ser Glu Asn Lys Ile Val Ile Leu

Cura 374 CON seq list.txt
135 140

130
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145 150 155 160
Gly Asp Asn Asp Leu Val Tyr Ile Ser His Arg Ala Phe Ser Gly Leu
165 170 175
Leu Ser Leu Glu Gln Leu Thr Leu Glu Lys Cys Asn Leu Thr Ala Val
180 185 190
Pro Thr Glu Ala Leu Ser His Leu Arg Ser Leu Ile Ser Leu His Leu
195 200 205
Lys His Leu Asn Ile Asn Asn Met Pro Val Tyr Thr Phe Lys Arg Leu
210 215 220
Phe His Leu Lys His Leu Glu Ile Asp Tyr Trp Pro Leu Leu Asp Met
225 230 235 240
Met Pro Ala Asn Ser Leu Tyr Gly Leu Asn Leu Thr Pro Leu Ser Val
245 250 255
Thr Asn Thr Asn Leu Ser Thr Val Pro Phe Leu Ala Phe Lys His Leu
260 265 270
Val Tyr Leu Thr His Leu Asn Leu Ser Tyr Asn Pro Ile Ser Thr Ile
275 280 285
Glu Ala Gly Met Phe Ser Asp Leu Ile Arg Leu Gln Glu Leu His Ile
290 295 300
Val Gly Ala Gln Leu Arg Thr Ile Glu Pro His Ser Phe Gln Gly Leu
305 310 315 320
Arg Phe Leu Arg Val Leu Asn Val Ser Gln Asn Leu Leu Glu Thr Leu
325 330 335
Glu Glu Asn Val Phe Ser Ser Pro Arg Ala Leu Glu Val Leu Ser Ile
340 345 350
Asn Asn Asn Pro Leu Ala Cys Asp Cys Arg Leu Leu Trp Ile Leu Gln
355 360 365
Arg Gln Pro Thr Leu Gln Phe Gly Gly Gln Gln Pro Met Cys Ala Gly
370 375 380
Pro Asp Thr Ile Arg Glu Arg Ser Phe Lys Asp Phe His Ser Thr Ala
385 390 395 400
Leu Ser Phe Tyr Phe Thr Cys Lys Lys Pro Lys Ile Arg Glu Lys Lys

Cura 374 CON seq list.txt

405

410

415

Leu Gln His Leu Leu Val Asp Glu Gly Gln Thr Val Gln Leu Glu Cys
420 425 430

Ser Ala Asp Gly Asp Pro Gln Pro Val Ile Ser Trp Val Thr Pro Arg
435 440 445

Arg Arg Phe Ile Thr Thr Lys Ser Asn Gly Arg Ala Thr Val Leu Gly
450 455 460

Asp Gly Thr Leu Glu Ile Arg Phe Ala Gln Asp Gln Asp Ser Gly Met
465 470 475 480

Tyr Val Cys Ile Ala Ser Asn Ala Ala Gly Asn Asp Thr Phe Thr Ala
485 490 495

Ser Leu Thr Val Lys Gly Phe Ala Ser Asp Arg Phe Leu Tyr Ala Asn
500 505 510

Arg Thr Pro Met Tyr Met Thr Asp Ser Asn Asp Thr Ile Ser Asn Gly
515 520 525

Thr Asn Ala Asn Thr Phe Ser Leu Asp Leu Lys Thr Ile Leu Val Ser
530 535 540

Thr Ala Met Gly Cys Phe Thr Phe Leu Gly Val Val Leu Phe Cys Phe
545 550 555 560

Leu Leu Leu Phe Val Trp Ser Arg Gly Lys Gly Lys His Lys Asn Ser
565 570 575

Ile Asp Leu Glu Tyr Val Pro Arg Lys Asn Ser Gly Ala Val Val Glu
580 585 590

Gly Glu Val Ala Gly Pro Arg Arg Phe Asn Met Lys Met Ile
595 600 605

<210> 19

<211> 1215

<212> DNA

<213> Homo sapiens

<400> 19

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ttcgcccagg ttgtaattga agccaattct tgggtggtcgc taggtatgaa taaccctgtt 180

Cura 374 CON seq list.txt

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ggcgcgaaga caggcatcaa agaatgccag tatcaattcc gacatcgaag gtggaactgc 360
agcactgtgg ataacacctc tgtttttggc aggggtgatgc agataggtag ccgcgagacg 420
gccttcacat acgcggtgag cgcagcaggg gtggtgaacg ccatgagccg ggcggtgccgc 480
gagggcgagc tgtccacctg cggctgcagc cgcgccgcgc gcccgaagga cctgccgcgg 540
gactggctct ggggcggctc cggcgccacc aacaaaaaag gctaccgctc cgccaaggag 600
atcgtgcacg cccgcgaacg aggacgcac cagccaagg gctcctacga gagtgtctgc 660
atcctcatga acctgcacaa caacgaggcc ggccgcagga cgggtgtacaa cctggctgat 720
gtggcctgca agtgccatgg ggtgtccggc tcatgtagcc tgaagacatg ctggctgcag 780
ctggcagact tccgcaaggt ggggtgatgcc ctgaaggaga agtacgacag cgcggcggcc 840
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acacaagacc tgggtctacat cgaccccagc cctgactact gcgtgcgcaa tgagagcacc 960
ggctcgctgg gcacgcaggg ccgcctgtgc aacaagacgt cggagggcat ggatggctgc 1020
gagctcatgt gctgcggccg tggctacgac cagttcaaga ccgtgcagac ggagcgctgc 1080
cactgcaagt tccactggtg ctgctacgtc aagtgaaga agtgcacgga gatcgtggac 1140
cagtttgtgt gcaagtagtg ggtgccaccc agcactcagc cccgctccca ggacccgctt 1200
atztatagaa agtac 1215

<210> 20

<211> 380

<212> PRT

<213> Homo sapiens

<400> 20

Leu Gln Lys Ser Ile Gly Ile Leu Ser Pro Gly Val Ala Leu Gly Met
1 5 10 15

Ala Gly Ser Ala Met Ser Ser Lys Phe Phe Leu Val Ala Leu Ala Ile
20 25 30

Phe Phe Ser Phe Ala Gln Val Val Ile Glu Ala Asn Ser Trp Trp Ser

Cura 374 CON seq list.txt

35		40		45											
Leu	Gly	Met	Asn	Asn	Pro	Val	Gln	Met	Ser	Glu	Val	Tyr	Ile	Ile	Gly
50						55					60				
Ala	Gln	Pro	Leu	Cys	Ser	Gln	Leu	Ala	Gly	Leu	Ser	Gln	Gly	Gln	Lys
65					70					75					80
Lys	Leu	Cys	His	Leu	Tyr	Gln	Asp	His	Met	Gln	Tyr	Ile	Gly	Glu	Gly
				85					90					95	
Ala	Lys	Thr	Gly	Ile	Lys	Glu	Cys	Gln	Tyr	Gln	Phe	Arg	His	Arg	Arg
			100					105					110		
Trp	Asn	Cys	Ser	Thr	Val	Asp	Asn	Thr	Ser	Val	Phe	Gly	Arg	Val	Met
		115					120					125			
Gln	Ile	Gly	Ser	Arg	Glu	Thr	Ala	Phe	Thr	Tyr	Ala	Val	Ser	Ala	Ala
	130					135					140				
Gly	Val	Val	Asn	Ala	Met	Ser	Arg	Ala	Cys	Arg	Glu	Gly	Glu	Leu	Ser
145					150					155					160
Thr	Cys	Gly	Cys	Ser	Arg	Ala	Ala	Arg	Pro	Lys	Asp	Leu	Pro	Arg	Asp
				165					170					175	
Trp	Leu	Trp	Gly	Gly	Ser	Gly	Ala	Thr	Asn	Lys	Lys	Gly	Tyr	Arg	Ser
			180					185					190		
Ala	Lys	Glu	Ile	Val	His	Ala	Arg	Glu	Arg	Gly	Arg	Ile	His	Ala	Lys
		195					200					205			
Gly	Ser	Tyr	Glu	Ser	Ala	Arg	Ile	Leu	Met	Asn	Leu	His	Asn	Asn	Glu
	210					215					220				
Ala	Gly	Arg	Arg	Thr	Val	Tyr	Asn	Leu	Ala	Asp	Val	Ala	Cys	Lys	Cys
225					230					235					240
His	Gly	Val	Ser	Gly	Ser	Cys	Ser	Leu	Lys	Thr	Cys	Trp	Leu	Gln	Leu
				245					250					255	
Ala	Asp	Phe	Arg	Lys	Val	Gly	Asp	Ala	Leu	Lys	Glu	Lys	Tyr	Asp	Ser
			260					265					270		
Ala	Ala	Ala	Met	Arg	Leu	Asn	Ser	Arg	Gly	Lys	Leu	Val	Gln	Val	Asn
		275					280					285			
Ser	Arg	Phe	Asn	Ser	Pro	Thr	Thr	Gln	Asp	Leu	Val	Tyr	Ile	Asp	Pro
	290					295					300				
Ser	Pro	Asp	Tyr	Cys	Val	Arg	Asn	Glu	Ser	Thr	Gly	Ser	Leu	Gly	Thr

Cura 374 CON seq list.txt

305		310		315		320
Gln Gly Arg Leu Cys Asn Lys Thr Ser Glu Gly Met Asp Gly Cys Glu						
		325		330		335
Leu Met Cys Cys Gly Arg Gly Tyr Asp Gln Phe Lys Thr Val Gln Thr						
		340		345		350
Glu Arg Cys His Cys Lys Phe His Trp Cys Cys Tyr Val Lys Cys Lys						
		355		360		365
Lys Cys Thr Glu Ile Val Asp Gln Phe Val Cys Lys						
		370		375		380

<210> 21
 <211> 4113
 <212> DNA
 <213> Homo sapiens

<400> 21
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 cagggggtgc gggactcgag cgagcaggaa ggaggcagcg cctggcacca gggctttgac 180
 tcaacagaat tgagacacgt ttgtaatcgc tggcgtgccc cgcgcacagg atcccagcga 240
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 ctttctcaag gacagaagaa actgtgccac ttgtatcagg accacatgca gtacatcgga 720
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 tgcagcacag cggataacac ctctgtcttt gggagagtca tgcagatagg cagccgcgag 840
 acggccttca cccacgcggt gagcgccgcg ggcgtggtca acgcatcag ccgggcctgc 900

Cura 374 CON seq list.txt

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Cura 374 CON seq list.txt

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aacagtgaag tccaccttcc tcttcacact gagccctctc tgattcctcc gtgttgatgat 2640
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gccagtgatt tagatttaca gcttactctg gggttatctc tctgtctaga gcattgttgt 3120
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tcaccccttt gtctccaacc tccatttctg ttcactttgt ggagagggca ttacttggtc 3360
gttatagaca tggacgttaa gagatattca aaactcagaa gcatcagcaa tgtttctctt 3420
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ttgttttaaa agtttggaag gatacacatc ttttcatacc ccccttagg aggttgggct 3660
ttcatatcac ctgagccaac tgtggctctt aatttattgc ataattgat ccacatcagc 3720
caactgtggc tctttaattt attgcataat gatattcaca tcccctcagt tgcagtgaat 3780
tgtgagcaaa agatcttgaa agcaaaaagc actaattagt ttaaaatgtc acttttttgg 3840
tttttattat acaaaaacca tgaagtactt tttttatttg ctaaatcaga ttgttccttt 3900
ttagtgactc atgtttatga agagagttga gtttaacaat cctagctttt aaaagaaact 3960

Cura 374 CON seq list.txt

atttaatgta aaatattcta catgtcattc agatattatg tatatcttct agcctttatt 4020
 ctgtactttt aatgtacata tttctgtctt gcgtgatttg tatatttcac tggtttaaaa 4080
 aacaaacatc gaaaggctta ttccaaatgg aag 4113

<210> 22
 <211> 380
 <212> PRT
 <213> Homo sapiens

<400> 22

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Ala	Gly	Ser	Ala	Met	Ser	Ser	Lys	Phe	Phe	Leu	Val	Ala	Leu	Ala	Ile
			20					25					30		
Phe	Phe	Ser	Phe	Ala	Gln	Val	Val	Ile	Glu	Ala	Asn	Ser	Trp	Trp	Ser
		35				40						45			
Leu	Gly	Met	Asn	Asn	Pro	Val	Gln	Met	Ser	Glu	Val	Tyr	Ile	Ile	Gly
	50					55					60				
Ala	Gln	Pro	Leu	Cys	Ser	Gln	Leu	Ala	Gly	Leu	Ser	Gln	Gly	Gln	Lys
65					70					75					80
Lys	Leu	Cys	His	Leu	Tyr	Gln	Asp	His	Met	Gln	Tyr	Ile	Gly	Glu	Gly
			85						90					95	
Ala	Lys	Thr	Gly	Ile	Lys	Glu	Cys	Gln	Tyr	Gln	Phe	Arg	His	Arg	Arg
			100					105					110		
Trp	Asn	Cys	Ser	Thr	Ala	Asp	Asn	Thr	Ser	Val	Phe	Gly	Arg	Val	Met
		115					120					125			
Gln	Ile	Gly	Ser	Arg	Glu	Thr	Ala	Phe	Thr	His	Ala	Val	Ser	Ala	Ala
	130					135					140				
Gly	Val	Val	Asn	Ala	Ile	Ser	Arg	Ala	Cys	Arg	Glu	Gly	Glu	Leu	Ser
145					150					155					160
Thr	Cys	Gly	Cys	Ser	Arg	Thr	Ala	Arg	Pro	Lys	Asp	Leu	Pro	Arg	Asp
				165					170					175	
Trp	Leu	Trp	Gly	Gly	Cys	Gly	Asp	Asn	Val	Glu	Tyr	Gly	Tyr	Arg	Phe
			180					185					190		
Ala	Lys	Glu	Phe	Val	Asp	Ala	Arg	Glu	Arg	Glu	Lys	Asn	Phe	Ala	Lys

Cura 374 CON seq list.txt

195

200

205

Gly Ser Glu Glu Gln Gly Arg Val Leu Met Asn Leu Gln Asn Asn Glu
 210 215 220

Ala Gly Arg Arg Ala Val Tyr Lys Met Ala Asp Val Ala Cys Lys Cys
 225 230 235 240

His Gly Val Ser Gly Ser Cys Ser Leu Lys Thr Cys Trp Leu Gln Leu
 245 250 255

Ala Glu Phe Arg Lys Val Gly Asp Arg Leu Lys Glu Lys Tyr Asp Ser
 260 265 270

Ala Ala Ala Met Arg Leu Asn Ser Arg Gly Lys Leu Val Gln Val Asn
 275 280 285

Ser Arg Phe Asn Ser Pro Thr Thr Gln Asp Leu Val Tyr Ile Asp Pro
 290 295 300

Ser Pro Asp Tyr Cys Val Arg Asn Glu Ser Thr Gly Ser Leu Gly Thr
 305 310 315 320

Gln Gly Arg Leu Cys Asn Lys Thr Ser Glu Gly Met Asp Gly Cys Glu
 325 330 335

Leu Met Cys Cys Gly Arg Gly Tyr Asp Gln Phe Lys Thr Val Gln Thr
 340 345 350

Glu Arg Cys His Cys Lys Phe His Trp Cys Cys Tyr Val Lys Cys Lys
 355 360 365

Lys Cys Thr Glu Ile Val Asp Gln Phe Val Cys Lys
 370 375 380

<210> 23

<211> 1214

<212> DNA

<213> Homo sapiens

<400> 23

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 tcgcccaggt tgtaattgaa gccaatctt ggtggtcgct aggtatgaat aaccctgttc 180
 agatgtcaga agtatatatt ataggagcac agcctctctg cagccaactg gcaggacttt 240
 ctcaaggaca gaagaaactg tgccacttgt atcaggacca catgcagtac atcggagaag 300

Cura 374 CON seq list.txt

gcgcgaagac aggcacataa gaatgccagt atcaattccg acatcgaagg tggaactgca 360
gcactgtgga taacacctct gtttttggca gggatgatgca gataggcagc cgcgagacgg 420
ccttcacata cgcggtgagc gcagcagggg tggatgaacgc catgagccgg gcgtgccgcg 480
agggcgagct gtccacctgc ggctgcagcc gcgcgcgcgc cccaaggac ctgccgcggg 540
actggctctg gggcggtgc ggcgacaaca tcgactatgg ctaccgcttt gcccaaggagt 600
tcgtggacgc ccgcgagcgg gagcgcaccc acgccaaggg ctctacgag agtgctcgca 660
tcctcatgaa cctgcacaac aacgaggccg gccgcaggac ggtgtacaac ctggctgatg 720
tggcctgcaa gtgccatggg gtgtccggct catgtagcct gaagacatgc tggctgcagc 780
tggcagactt ccgcaagggtg ggtgatgccc tgaaggagaa gtacgacagc gcggcggcca 840
tgccggtcaa cagccggggc aagttggtac aggtcaacag ccgcttcaac tcgcccacca 900
cacaagacct ggtctacatc gacccagcc ctgactactg cgtgcgcaat gagagcaccg 960
gctcgctggg cacgcagggc cgctgtgca acaagacgtc ggagggcatg gatggctgcg 1020
agctcatgtg ctgcggccgt ggctacgacc agttcaagac cgtgcagacg gagcgctgcc 1080
actgcaagtt cactgggtgc tgctacgtca agtgcaagaa gtgcacggag atcgtggacc 1140
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tttatagaaa gtac 1214

<210> 24

<211> 365

<212> PRT

<213> Homo sapiens

<400> 24

Met Ala Gly Ser Ala Met Ser Ser Lys Phe Phe Leu Val Ala Leu Ala
1 5 10 15

Ile Phe Phe Ser Phe Ala Gln Val Val Ile Glu Ala Asn Ser Trp Trp
20 25 30

Ser Leu Gly Met Asn Asn Pro Val Gln Met Ser Glu Val Tyr Ile Ile
35 40 45

Gly Ala Gln Pro Leu Cys Ser Gln Leu Ala Gly Leu Ser Gln Gly Gln

Cura 374 CON seq list.txt

50

55

60

Lys Lys Leu Cys His Leu Tyr Gln Asp His Met Gln Tyr Ile Gly Glu
 65 70 75 80
 Gly Ala Lys Thr Gly Ile Lys Glu Cys Gln Tyr Gln Phe Arg His Arg
 85 90 95
 Arg Trp Asn Cys Ser Thr Val Asp Asn Thr Ser Val Phe Gly Arg Val
 100 105 110
 Met Gln Ile Gly Ser Arg Glu Thr Ala Phe Thr Tyr Ala Val Ser Ala
 115 120 125
 Ala Gly Val Val Asn Ala Met Ser Arg Ala Cys Arg Glu Gly Glu Leu
 130 135 140
 Ser Thr Cys Gly Cys Ser Arg Ala Ala Arg Pro Lys Asp Leu Pro Arg
 145 150 155 160
 Asp Trp Leu Trp Gly Gly Cys Gly Asp Asn Ile Asp Tyr Gly Tyr Arg
 165 170 175
 Phe Ala Lys Glu Phe Val Asp Ala Arg Glu Arg Glu Arg Ile His Ala
 180 185 190
 Lys Gly Ser Tyr Glu Ser Ala Arg Ile Leu Met Asn Leu His Asn Asn
 195 200 205
 Glu Ala Gly Arg Arg Thr Val Tyr Asn Leu Ala Asp Val Ala Cys Lys
 210 215 220
 Cys His Gly Val Ser Gly Ser Cys Ser Leu Lys Thr Cys Trp Leu Gln
 225 230 235 240
 Leu Ala Asp Phe Arg Lys Val Gly Asp Ala Leu Lys Glu Lys Tyr Asp
 245 250 255
 Ser Ala Ala Ala Met Arg Leu Asn Ser Arg Gly Lys Leu Val Gln Val
 260 265 270
 Asn Ser Arg Phe Asn Ser Pro Thr Thr Gln Asp Leu Val Tyr Ile Asp
 275 280 285
 Pro Ser Pro Asp Tyr Cys Val Arg Asn Glu Ser Thr Gly Ser Leu Gly
 290 295 300
 Thr Gln Gly Arg Leu Cys Asn Lys Thr Ser Glu Gly Met Asp Gly Cys
 305 310 315 320
 Glu Leu Met Cys Cys Gly Arg Gly Tyr Asp Gln Phe Lys Thr Val Gln

325

330

335

Thr Glu Arg Cys His Cys Lys Phe His Trp Cys Cys Tyr Val Lys Cys
 340 345 350

Lys Lys Cys Thr Glu Ile Val Asp Gln Phe Val Cys Lys
 355 360 365

<210> 25

<211> 4213

<212> DNA

<213> Homo sapiens

<400> 25

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 acagtgccct gcagcacaga ctttcgggga cgcttcctct cccacgtggt gtctggccca 180
 gcagcagcct ctgcagggag catggtagtgt gacacgccac ccacactacc acgacactcc 240
 agtcacctcc ggggtggctcg cagccctctg caccagaggag ggaccctgtg gcctggcagg 300
 gtggggcgcc actccctcta cttcaatgtc actgttttctg ggaaggaact gcacttgccg 360
 ctgcggccca atcggagggtt ggtagtgcc a ggatcctcag tggagtggca ggaggatttt 420
 cgggagctgt tccggcagcc cttacggcag gagtgtgtgt aacttgaggag tgtcactgga 480
 atgcctgggg cagctgttgc catcagcaac tgtgacggat tgtgtgcagg ccctgcgggc 540
 ctcacccgca cagacagcac cgacttcttc attgagcctc tggagcgggg ccagcaggag 600
 aaggaggcca gcgggaggac acatgtggtg taccgcccggg aggccgtcca gcaggacttt 660
 ggcttgggag accttcccaa cctgctgggc ctggtggggg accagctggg cgacacagag 720
 cggaagcggc ggcatgccaa gccaggcagc tacagcatcg aggtgctgct ggtggtggac 780
 gactcgggtg ttcgcttcca tggcaaggag catgtgcaga actatgtcct caccctcatg 840
 aatatcgtga gtgtagatga gatttaccac gatgagtcct tgggggttca tataaatatt 900
 gccctcgtcc gcttgatcat ggttggctac cgacagtccc tgagcctgat cgagcgcggg 960
 aaccctcac gcagcctgga gcaggtgtgt cgctgggcac actcccagca gcgccaggac 1020
 cccagccacg ctgagcacca tgaccacgtt gtgttctca cccggcagga ctttgggccc 1080

Cura 374 CON seq list.txt

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gagcatgacg gtcaggggaa tggctgtgca gatgagacca gcctgggcag cgtcatggcg 1260
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cagacatatg gccaggatgg aggtggagc tccctggacca agtttgggtc atgttcgcgg 1680
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ggaggccgcc tgtgcttagg gcccatgttc gaggaccagg tctgcaacag cgaggagtgc 1800
cctgggacct acgaggactt ccgggcccag cagtgtgcca agcgcaactc ctactatgtg 1860
caccagaatg ccaagcacag ctgggtgccc tacgagcctg acgatgacgc ccagaagtgt 1920
gagctgatct gccagtcggc ggacacgggg gacgtggtgt tcatgaacca ggtggttcac 1980
gatgggacac gctgcagcta ccgggaccca tacagcgtct gtgcgcgtgg cgagtgtgtg 2040
cctgtcggct gtgacaagga ggtgggggtcc atgaaggcgg atgacaagtg tggagtctgc 2100
gggggtgaca actccactg caggactgtg aaggggacgc tgggcaaggc ctccaagcag 2160
gcaggagctc tcaagctggt gcagatccca gcaggtgcca ggcacatcca gattgaggca 2220
ctggagaagt cccccaccg cattgtggtg aagaaccagg tcaccggcag cttcatcctc 2280
aaccccaagg gcaaggaagc cacaagccgg accttcaccg ccatgggcct ggagtgggag 2340
gatgcggtgg aggatgcaa ggaaagcctc aagaccagcg ggcccctgcc tgaagccatt 2400
gccatcctgg ctctcccccc aactgagggt ggcccccgca gcagcctggc ctacaagtac 2460
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gacacctatg agtgggcgct caagagctgg gcccctgca gcaaggcctg tggaggaggg 2580
atccagttca ccaaatacgg ctgccggcgc agacgagacc accacatggt gcagcgacac 2640

Cura 374 CON seq list.txt

ctgtgtgacc acaagaagag gcccaagccc atccgccggc gctgcaacca gcacccgtgc 2700
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ggggtgcaga cacgggggat acagtgcctg ctgccccctt ccaatggaac ccacaaggtc 2820
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ccctgcccag ccagtgagg gctgggagcc tgggtcccagt gctctgccac ctgtggagag 2940
ggcatccagc agcggcaggt ggtgtgcagg accaacgcca acagcctcgg gcattgcgag 3000
ggggataggc cagacactgt ccaggtctgc agcctgcccc cctgtaacaa gatatcatca 3060
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gaggacaaag ggcaacctgg agaagacctg agacatcccg gcaccagcct ccctgctgcc 3540
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gtgggaggaa gacaaagatc agggaaagcc ctaatcggag atacctcagc aagctgcccc 3780
cggcgggact gaccctctca gggcccctgt tgggtctcccc tgccaagacc agggtaact 3840
attgctccct cctcacagac cctgggcctg ggcaggtctg aatcccggct ggtctgtagc 3900
tagaagctgt cagggtgcc tgccctcccg gaactgtgag gaccctgtg gaggccctgc 3960
atatattggcc cctctcccca gaaaggcaaa gcagggccag ggtaggtggg ggactgttca 4020
cagccaggcc gagaggaggg gggcctggga atgtggcatg aggcttccca gctgcagggc 4080
tgagggggggt ggaacacaag gtgatcgcag gcccaactcc tggaagccaa gagctccatg 4140

Cura 374 CON seq list.txt

cagttccacc agctgaggcc aggcagcaga ggccagtttg tctttgctgg ccagaagatg 4200
gtgctcatgg cca 4213

<210> 26
<211> 1210
<212> PRT
<213> Homo sapiens

<220>
<221> VARIANT
<222> (1185)
<223> Wherein Xaa is any amino acid as defined in the
specification

<400> 26

Met	Ala	Pro	Leu	Arg	Ala	Leu	Leu	Ser	Tyr	Leu	Leu	Pro	Leu	His	Cys	1	5	10	15
Ala	Leu	Cys	Ala	Ala	Ala	Gly	Ser	Arg	Thr	Pro	Glu	Leu	His	Leu	Ser	20	25	30	
Gly	Lys	Leu	Ser	Asp	Tyr	Gly	Val	Thr	Val	Pro	Cys	Ser	Thr	Asp	Phe	35	40	45	
Arg	Gly	Arg	Phe	Leu	Ser	His	Val	Val	Ser	Gly	Pro	Ala	Ala	Ala	Ser	50	55	60	
Ala	Gly	Ser	Met	Val	Val	Asp	Thr	Pro	Pro	Thr	Leu	Pro	Arg	His	Ser	65	70	75	80
Ser	His	Leu	Arg	Val	Ala	Arg	Ser	Pro	Leu	His	Pro	Gly	Gly	Thr	Leu	85	90	95	
Trp	Pro	Gly	Arg	Val	Gly	Arg	His	Ser	Leu	Tyr	Phe	Asn	Val	Thr	Val	100	105	110	
Phe	Gly	Lys	Glu	Leu	His	Leu	Arg	Leu	Arg	Pro	Asn	Arg	Arg	Leu	Val	115	120	125	
Val	Pro	Gly	Ser	Ser	Val	Glu	Trp	Gln	Glu	Asp	Phe	Arg	Glu	Leu	Phe	130	135	140	
Arg	Gln	Pro	Leu	Arg	Gln	Glu	Cys	Val	Tyr	Thr	Gly	Gly	Val	Thr	Gly	145	150	155	160
Met	Pro	Gly	Ala	Ala	Val	Ala	Ile	Ser	Asn	Cys	Asp	Gly	Leu	Cys	Ala	165	170	175	

Cura 374 CON seq list.txt

Gly Pro Ala Gly Leu Ile Arg Thr Asp Ser Thr Asp Phe Phe Ile Glu
 180 185 190
 Pro Leu Glu Arg Gly Gln Gln Glu Lys Glu Ala Ser Gly Arg Thr His
 195 200 205
 Val Val Tyr Arg Arg Glu Ala Val Gln Gln Asp Phe Gly Leu Gly Asp
 210 215 220
 Leu Pro Asn Leu Leu Gly Leu Val Gly Asp Gln Leu Gly Asp Thr Glu
 225 230 235 240
 Arg Lys Arg Arg His Ala Lys Pro Gly Ser Tyr Ser Ile Glu Val Leu
 245 250 255
 Leu Val Val Asp Asp Ser Val Val Arg Phe His Gly Lys Glu His Val
 260 265 270
 Gln Asn Tyr Val Leu Thr Leu Met Asn Ile Val Ser Val Asp Glu Ile
 275 280 285
 Tyr His Asp Glu Ser Leu Gly Val His Ile Asn Ile Ala Leu Val Arg
 290 295 300
 Leu Ile Met Val Gly Tyr Arg Gln Ser Leu Ser Leu Ile Glu Arg Gly
 305 310 315 320
 Asn Pro Ser Arg Ser Leu Glu Gln Val Cys Arg Trp Ala His Ser Gln
 325 330 335
 Gln Arg Gln Asp Pro Ser His Ala Glu His His Asp His Val Val Phe
 340 345 350
 Leu Thr Arg Gln Asp Phe Gly Pro Ser Gly Tyr Ala Pro Val Thr Gly
 355 360 365
 Met Cys His Pro Leu Arg Ser Cys Ala Leu Asn His Glu Asp Gly Phe
 370 375 380
 Ser Ser Ala Phe Val Ile Ala His Glu Thr Gly His Val Leu Gly Met
 385 390 395 400
 Glu His Asp Gly Gln Gly Asn Gly Cys Ala Asp Glu Thr Ser Leu Gly
 405 410 415
 Ser Val Met Ala Pro Leu Val Gln Ala Ala Phe His Arg Phe His Trp
 420 425 430
 Ser Arg Cys Ser Lys Leu Glu Leu Ser Arg Tyr Leu Pro Ser Tyr Asp
 435 440 445

Cura 374 CON seq list.txt

Cys	Leu	Leu	Asp	Asp	Pro	Phe	Asp	Pro	Ala	Trp	Pro	Gln	Pro	Pro	Glu	450	455	460
Leu	Pro	Gly	Ile	Asn	Tyr	Ser	Met	Asp	Glu	Gln	Cys	Arg	Phe	Asp	Phe	465	470	475
Gly	Ser	Gly	Tyr	Gln	Thr	Cys	Leu	Ala	Phe	Arg	Thr	Phe	Glu	Pro	Cys	485	490	495
Lys	Gln	Leu	Trp	Cys	Ser	His	Pro	Asp	Asn	Pro	Tyr	Phe	Cys	Lys	Thr	500	505	510
Lys	Lys	Gly	Pro	Pro	Leu	Asp	Gly	Thr	Glu	Cys	Ala	Pro	Gly	Lys	Trp	515	520	525
Cys	Phe	Lys	Gly	His	Cys	Ile	Trp	Lys	Ser	Pro	Glu	Gln	Thr	Tyr	Gly	530	535	540
Gln	Asp	Gly	Gly	Trp	Ser	Ser	Trp	Thr	Lys	Phe	Gly	Ser	Cys	Ser	Arg	545	550	555
Ser	Cys	Gly	Gly	Gly	Val	Arg	Ser	Arg	Ser	Arg	Ser	Cys	Asn	Asn	Pro	565	570	575
Ser	Pro	Ala	Tyr	Gly	Gly	Arg	Leu	Cys	Leu	Gly	Pro	Met	Phe	Glu	Tyr	580	585	590
Gln	Val	Cys	Asn	Ser	Glu	Glu	Cys	Pro	Gly	Thr	Tyr	Glu	Asp	Phe	Arg	595	600	605
Ala	Gln	Gln	Cys	Ala	Lys	Arg	Asn	Ser	Tyr	Tyr	Val	His	Gln	Asn	Ala	610	615	620
Lys	His	Ser	Trp	Val	Pro	Tyr	Glu	Pro	Asp	Asp	Asp	Ala	Gln	Lys	Cys	625	630	635
Glu	Leu	Ile	Cys	Gln	Ser	Ala	Asp	Thr	Gly	Asp	Val	Val	Phe	Met	Asn	645	650	655
Gln	Val	Val	His	Asp	Gly	Thr	Arg	Cys	Ser	Tyr	Arg	Asp	Pro	Tyr	Ser	660	665	670
Val	Cys	Ala	Arg	Gly	Glu	Cys	Val	Pro	Val	Gly	Cys	Asp	Lys	Glu	Val	675	680	685
Gly	Ser	Met	Lys	Ala	Asp	Asp	Lys	Cys	Gly	Val	Cys	Gly	Gly	Asp	Asn	690	695	700
Ser	His	Cys	Arg	Thr	Val	Lys	Gly	Thr	Leu	Gly	Lys	Ala	Ser	Lys	Gln	705	710	715

Cura 374 CON seq list.txt

Ala Gly Ala Leu Lys Leu Val Gln Ile Pro Ala Gly Ala Arg His Ile
 725 730 735
 Gln Ile Glu Ala Leu Glu Lys Ser Pro His Arg Ile Val Val Lys Asn
 740 745 750
 Gln Val Thr Gly Ser Phe Ile Leu Asn Pro Lys Gly Lys Glu Ala Thr
 755 760 765
 Ser Arg Thr Phe Thr Ala Met Gly Leu Glu Trp Glu Asp Ala Val Glu
 770 775 780
 Asp Ala Lys Glu Ser Leu Lys Thr Ser Gly Pro Leu Pro Glu Ala Ile
 785 790 795 800
 Ala Ile Leu Ala Leu Pro Pro Thr Glu Gly Gly Pro Arg Ser Ser Leu
 805 810 815
 Ala Tyr Lys Tyr Val Ile His Glu Asp Leu Leu Pro Leu Ile Gly Ser
 820 825 830
 Asn Asn Val Leu Leu Glu Glu Met Asp Thr Tyr Glu Trp Ala Leu Lys
 835 840 845
 Ser Trp Ala Pro Cys Ser Lys Ala Cys Gly Gly Gly Ile Gln Phe Thr
 850 855 860
 Lys Tyr Gly Cys Arg Arg Arg Arg Asp His His Met Val Gln Arg His
 865 870 875 880
 Leu Cys Asp His Lys Lys Arg Pro Lys Pro Ile Arg Arg Arg Cys Asn
 885 890 895
 Gln His Pro Cys Ser Gln Pro Val Trp Val Thr Glu Glu Trp Gly Ala
 900 905 910
 Cys Ser Arg Ser Cys Gly Lys Leu Gly Val Gln Thr Arg Gly Ile Gln
 915 920 925
 Cys Leu Leu Pro Leu Ser Asn Gly Thr His Lys Val Met Pro Ala Lys
 930 935 940
 Ala Cys Ala Gly Asp Arg Pro Glu Ala Arg Arg Pro Cys Leu Arg Val
 945 950 955 960
 Pro Cys Pro Ala Gln Trp Arg Leu Gly Ala Trp Ser Gln Cys Ser Ala
 965 970 975
 Thr Cys Gly Glu Gly Ile Gln Gln Arg Gln Val Val Cys Arg Thr Asn
 980 985 990

Cura 374 CON seq list.txt

Ala Asn Ser Leu Gly His Cys Glu Gly Asp Arg Pro Asp Thr Val Gln
995 1000 1005

Val Cys Ser Leu Pro Ala Cys Asn Lys Ile Ser Ser Thr Glu Pro Cys
1010 1015 1020

Thr Gly Asp Arg Ser Val Phe Cys Gln Met Glu Val Leu Asp Arg Tyr
1025 1030 1035 1040

Cys Ser Ile Pro Gly Tyr His Arg Leu Cys Cys Val Ser Cys Ile Lys
1045 1050 1055

Lys Ala Ser Gly Pro Asn Pro Gly Pro Asp Pro Gly Pro Thr Ser Leu
1060 1065 1070

Pro Pro Phe Ser Thr Pro Gly Ser Pro Leu Pro Gly Pro Gln Asp Pro
1075 1080 1085

Ala Asp Ala Ala Glu Pro Pro Gly Lys Pro Thr Gly Ser Glu Asp His
1090 1095 1100

Gln His Gly Arg Ala Thr Gln Leu Pro Gly Ala Leu Asp Thr Ser Ser
1105 1110 1115 1120

Pro Gly Thr Gln His Pro Phe Ala Pro Glu Thr Pro Ile Pro Gly Ala
1125 1130 1135

Ser Trp Ser Ile Ser Pro Thr Thr Pro Gly Gly Leu Pro Trp Gly Trp
1140 1145 1150

Thr Gln Thr Pro Thr Pro Val Pro Glu Asp Lys Gly Gln Pro Gly Glu
1155 1160 1165

Asp Leu Arg His Pro Gly Thr Ser Leu Pro Ala Ala Ser Pro Val Thr
1170 1175 1180

Xaa Ala Val Pro Cys His Pro Thr Gly Thr Phe Thr Leu Cys Val Leu
1185 1190 1195 1200

Pro Arg Asp Ser Gln Leu Arg Gly His Thr
1205 1210

<210> 27

<211> 1390

<212> DNA

<213> Homo sapiens

<400> 27

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Cura 374 CON seq list.txt

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 cactctgtgc cagttaaaat tattgaaatt agagataatt aaatactgtc ttctcatgaa 240
 ggaagaattc attagaaatc aggaacaaat gaaactatta gaaggaaagc aagaggagga 300
 aagatcaaaa gtggatgatc tgagggggac ccccatgtca gtagtaacct tggaagagat 360
 tattgatgac aatcatgcca tcatgtctac atctgtgggc tcagagcatc tgtgggctca 420
 gagcattctt gtagacaagg atctgctgga acctggctgc tcggctctgc tcaaccacaa 480
 ggttcgtgct gtgatatggg tgctgatgga tgacacggat accctagtca caatgatgaa 540
 ggtggaaaag accccccagg agacctgtgt tgatactggg gggttggaca gccaaattca 600
 ggaaattaag gaatttgtgg agcttctctt cacacattct gaatattatg aagagatggg 660
 tataaagccc cctaaggagg tcattcacta tgggtccacct ggcacaggta aaaccttggt 720
 agccaaagca gtagcaaacc acatcttagc cactttcttg caagtgatca gctctgaatt 780
 tattcagaaa tacctacatg atgggcccac actcatatgg gaattgtttc tagttgctga 840
 agaacatgca ccttccatca tgtttattga tgaaattgat gctattagga caaaaagatg 900
 tgactcaaat tctgatagtg agagagaaat tcagcaaata atgctggaaa tgttgaacca 960
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 aactttggat ctagcactta tcagaccagg ctacactgac aggaagctca agttccccct 1080
 gcctgatgaa aagactaaga agcacatctt tcagatgcac acaagcagga ttacgctggc 1140
 caatgataca atcctggaca actccatcat ggctaaagat gacctctctt gtacagacct 1200
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 aaatgaaaac ttcaaaaaat ctcaagaaaa tgttctttat aaagaacagg aagacacccc 1320
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<210> 28
 <211> 452
 <212> PRT

Cura 374 CON seq list.txt

<213> Homo sapiens

<400> 28 ,

Met	Gly	Gln	Ser	Gln	Ser	Gly	Gly	His	Gly	Leu	Gly	Ala	Gly	Lys	Lys		
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Asp	Asp	Arg	Asp	Lys	Lys	Lys	Lys	Tyr	Glu	Pro	Pro	Ile	Pro	Ala	Arg		
			20					25					30				
Val	Arg	Lys	Lys	Lys	Lys	Thr	Lys	Gly	Pro	Asp	Ala	Ala	Ser	Lys	Leu		
		35					40					45					
Pro	Leu	Met	Thr	Pro	His	Thr	Leu	Cys	Gln	Leu	Lys	Leu	Leu	Lys	Leu		
	50					55					60						
Glu	Ile	Ile	Lys	Tyr	Cys	Leu	Leu	Met	Lys	Glu	Glu	Phe	Ile	Arg	Asn		
65					70					75					80		
Gln	Glu	Gln	Met	Lys	Leu	Leu	Glu	Gly	Lys	Gln	Glu	Glu	Glu	Arg	Ser		
				85					90					95			
Lys	Val	Asp	Asp	Leu	Arg	Gly	Thr	Pro	Met	Ser	Val	Val	Thr	Leu	Glu		
			100					105					110				
Glu	Ile	Ile	Asp	Asp	Asn	His	Ala	Ile	Met	Ser	Thr	Ser	Val	Gly	Ser		
		115					120					125					
Glu	His	Leu	Trp	Ala	Gln	Ser	Ile	Leu	Val	Asp	Lys	Asp	Leu	Leu	Glu		
	130					135					140						
Pro	Gly	Cys	Ser	Val	Leu	Leu	Asn	His	Lys	Val	Arg	Ala	Val	Ile	Trp		
145					150					155					160		
Val	Leu	Met	Asp	Asp	Thr	Asp	Thr	Leu	Val	Thr	Met	Met	Lys	Val	Glu		
				165					170					175			
Lys	Thr	Pro	Gln	Glu	Thr	Cys	Val	Asp	Thr	Gly	Gly	Leu	Asp	Ser	Gln		
			180					185					190				
Ile	Gln	Glu	Ile	Lys	Glu	Phe	Val	Glu	Leu	Pro	Leu	Thr	His	Ser	Glu		
	195						200					205					
Tyr	Tyr	Glu	Glu	Met	Gly	Ile	Lys	Pro	Pro	Lys	Gly	Val	Ile	His	Tyr		
	210					215					220						
Gly	Pro	Pro	Gly	Thr	Gly	Lys	Thr	Leu	Leu	Ala	Lys	Ala	Val	Ala	Asn		
225					230					235					240		
His	Ile	Leu	Ala	Thr	Phe	Leu	Gln	Val	Ile	Ser	Ser	Glu	Phe	Ile	Gln		
				245					250					255			

Cura. 374 CON seq list.txt

Lys Tyr Leu His Asp Gly Pro Lys Leu Ile Trp Glu Leu Phe Leu Val
260 265 270

Ala Glu Glu His Ala Pro Ser Ile Met Phe Ile Asp Glu Ile Asp Ala
275 280 285

Ile Arg Thr Lys Arg Cys Asp Ser Asn Ser Asp Ser Glu Arg Glu Ile
290 295 300

Gln Gln Ile Met Leu Glu Met Leu Asn Gln Leu Asp Gly Phe Asp Ser
305 310 315 320

Arg Gly Asp Val Lys Val Ile Ile Ser Thr Ser Arg Ile Glu Thr Leu
325 330 335

Asp Leu Ala Leu Ile Arg Pro Gly Tyr Thr Asp Arg Lys Leu Lys Phe
340 345 350

Pro Leu Pro Asp Glu Lys Thr Lys Lys His Ile Phe Gln Met His Thr
355 360 365

Ser Arg Ile Thr Leu Ala Asn Asp Thr Ile Leu Asp Asn Ser Ile Met
370 375 380

Ala Lys Asp Asp Leu Ser Cys Thr Asp Leu Lys Ala Ile Cys Thr Glu
385 390 395 400

Ala Ser Leu Met Ala Leu Lys Glu His Gly Met Lys Val Thr Asn Glu
405 410 415

Asn Phe Lys Lys Ser Gln Glu Asn Val Leu Tyr Lys Glu Gln Glu Asp
420 425 430

Thr Pro Lys Gly Leu Cys Leu Gly Ser Lys Arg Lys Lys Gly Lys Gly
435 440 445

Pro Asp Ser Phe
450

<210> 29

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Oligonucleotide
primers

<400> 29

ctgcacttca aggacagtta cc

Cura 374 CON seq list.txt

<210> 30
<211> 25
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Oligonucleotide
primers

<400> 30
ctatccatcc acgatgtgcc cagct

25

<210> 31
<211> 22
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Oligonucleotide
primers

<400> 31
tgacaaggag cttactcttc ca

22

<210> 32
<211> 19
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Oligonucleotide
primers

<400> 32
ccgttcactc ttgcaaagg

19

<210> 33
<211> 28
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Oligonucleotide
primers

<400> 33

tccaagggat tcacaactac ttacacca

28

<210> 34

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Oligonucleotide
primers

<400> 34

ggcacagttg ctataatttt gg

22

<210> 35

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Oligonucleotide
primers

<400> 35

ctcctggact ccctctatgg

20

<210> 36

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Oligonucleotide
primers

<400> 36

ctctcgggtg tgcagctcaa tccttt

26

<210> 37

Cura 374 CON seq list.txt

<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Oligonucleotide
primers

<400> 37
gggcctttac caactctgaa 20

<210> 38
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Oligonucleotide
primers

<400> 38
gacctcagat gtcctagcca at 22

<210> 39
<211> 26
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Oligonucleotide
primers

<400> 39
cacctacctg aaaggagagc tgcctg 26

<210> 40
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Oligonucleotide
primers

<400> 40

ccaggaaca ctcaactaca tt

22

<210> 41

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Oligonucleotide
primers

<400> 41

ccagaggatc cagatgtaca tg

22

<210> 42

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Oligonucleotide
primers

<400> 42

tcctgtctct catcctctac atcttcacca

30

<210> 43

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Oligonucleotide
primers

<400> 43

gggctccaga gaagatgtct ac

22

<210> 44

<211> 22

<212> DNA

<213> Artificial Sequence

Cura 374 CON seq list.txt

<220>

<223> Description of Artificial Sequence:Oligonucleotide
primers

<400> 44

ccagaggatc cagatgtaca tg

22

<210> 45

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Oligonucleotide
primers

<400> 45

tcctctacat cttcaccaag atctcgg

27

<210> 46

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Oligonucleotide
primers

<400> 46

agggtccag agaagatgtc ta

22

<210> 47

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Oligonucleotide
primers

<400> 47

ctggtcaggt acctggatgt ta

22

Cura 374 CON seq list.txt

<210> 48
<211> 26
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Oligonucleotide
primers

<400> 48
tccatcaatg aagagcttca tattcg 26

<210> 49
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Oligonucleotide
primers

<400> 49
cagcctttaa gtgatccatc ag 22

<210> 50
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Oligonucleotide
primers

<400> 50
ttgaagaagg cagaaacaca a 21

<210> 51
<211> 26
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Oligonucleotide
primers

Cura 374 CON seq list.txt

<400> 51
ccgccttcaa gagaaacaaa cgaaag 26

<210> 52
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Oligonucleotide
primers

<400> 52
cgcagctcac agctcattat 20

<210> 53
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Oligonucleotide
primers

<400> 53
caatatgcct gtgtatgcct tt 22

<210> 54
<211> 26
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Oligonucleotide
primers

<400> 54
aaaagattgt tccacctgaa acacct 26

<210> 55
<211> 22
<212> DNA
<213> Artificial Sequence

Cura 374 CON seq list.txt

<220>

<223> Description of Artificial Sequence:Oligonucleotide
primers

<400> 55

tccagtaaag gccaatagtc aa

22

<210> 56

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Oligonucleotide
primers

<400> 56

acagcagtac caacagaagc cc

22

<210> 57

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Oligonucleotide
primers

<400> 57

tcccacctcc gcagcctcat ca

22

<210> 58

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Oligonucleotide
primers

<400> 58

atattgacat gcttcagatg cagg

24

Cura 374 CON seq list.txt

<210> 59
 <211> 22
 <212> DNA
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Oligonucleotide
 primers

<400> 59

ccaagttctt cctagtggct tt

22

<210> 60
 <211> 26
 <212> DNA
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Oligonucleotide
 primers

<400> 60

tttctccttc gccaggttg taattg

26

<210> 61
 <211> 22
 <212> DNA
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Oligonucleotide
 primers

<400> 61

atacctagcg accaccaaga at

22

<210> 62
 <211> 4
 <212> PRT
 <213> Homo sapiens

<400> 62

Asn Glu Gln Lys

1

Cura 374 CON seq list.txt

<210> 63
<211> 4
<212> PRT
<213> Homo sapiens

<400> 63
Asn His Gln Lys
1

<210> 64
<211> 4
<212> PRT
<213> Homo sapiens

<400> 64
Asn Asp Glu Gln
1

<210> 65
<211> 4
<212> PRT
<213> Homo sapiens

<400> 65
Gln His Arg Lys
1

<210> 66
<211> 4
<212> PRT
<213> Homo sapiens

<400> 66
Met Ile Leu Val
1

<210> 67
<211> 4
<212> PRT
<213> Homo sapiens

<400> 67
Met Ile Leu Phe
1

<210> 68
<211> 4
<212> PRT
<213> Homo sapiens

Cura 374 CON seq list.txt

<400> 68

Ser Thr Asn Lys

1

<210> 69

<211> 4

<212> PRT

<213> Homo sapiens

<400> 69

Ser Thr Pro Ala

1

<210> 70

<211> 4

<212> PRT

<213> Homo sapiens

<400> 70

SGND

Ser Gly Asn Asp

1

<210> 71

<211> 6

<212> PRT

<213> Homo sapiens

<400> 71

Ser Asn Asp Glu Gln Lys

1

5

<210> 72

<211> 6

<212> PRT

<213> Homo sapiens

<400> 72

Asn Asp Glu Gln His Lys

1

5

<210> 73

<211> 6

<212> PRT

<213> Homo sapiens

<400> 73

Asn Glu Gln His Arg Lys

1

5

<210> 74

Cura 374 CON seq-list.txt

<211> 4

<212> PRT

<213> Homo sapiens

<400> 74

VLIM

Val Leu Ile Met

1